

19990903.qrp v01_n568.qrl.990903

Date: Fri, 3 Sep 1999 19:03:08 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1568

QRP-L Digest 1568

Topics covered in this issue include:

- 1) [49174] DSW 40 Manual
by igeq100@iupui.edu
- 2) [49175] Gel Cell Batteries
by Tim English <tje@usol.com>
- 3) [49176] Re: Capacitance
by "Nick Kennedy" <nkennedy@cswnet.com>
- 4) [49177] Re: USB/LSB on CW
by "Nick Kennedy" <nkennedy@cswnet.com>
- 5) [49178] Re: Code Speed Question..
by "Nick Kennedy" <nkennedy@cswnet.com>
- 6) [49179] freeware logging program
by "Mark Paley" <mpaley@wcnet.org>
- 7) [49180] other reflectors
by <SFIKE@twa.com>
- 8) [49181] Re: Other Reflectors
by JPD <jdanter@mail.i-america.net>
- 9) [49182] RE: Gel Cell Batteries
by "Ed Tanton" <n4xy@att.net>
- 10) [49183] DSW 40 Manual Follow-up
by igeq100@iupui.edu
- 11) [49184] Beginner QRP
by <SFIKE@twa.com>
- 12) [49185] OT: Re: Capacitance
by "Stephen D. Cohen" <scohen@xps.xybion.com>
- 13) [49186] New toys arrive &c
by Nils R Young <nilsbull@juno.com>
- 14) [49187] re: Capacitance
by Charles Kadesch <chas@digizen.net>
- 15) [49188] Re: other reflectors
by "Nick Kennedy" <nkennedy@cswnet.com>
- 16) [49189] Re: other reflectors
by "Tom H" <biskit@snip.net>
- 17) [49190] Re: Code Speed Question..
by Jim Durkin <jimdurkin@yahoo.com>
- 18) [49191] Matchbox -- thanks for help
by "Nick Kennedy" <nkennedy@cswnet.com>
- 19) [49192] Re: other reflectors

- by sigcom@juno.com
- 20) [49193] ARCTIME GROUP BUY--CLOSED--
by "Rod, NØRC" <rwc@frii.com>
- 21) [49194] OT: WTB Vibroplex Paddle
by Brian Short <bshort@speedchoice.com>
- 22) [49195] QRP AField in a few weeks
by jaywa5whn@juno.com
- 23) [49196] Super VXO Question
by Paul Stroud <aa4xx@ipass.net>
- 24) [49197] Re: ARCTIME GROUP BUY--CLOSED--
by "Paul R. Valko" <prvalko@oakland.edu>
- 25) [49198] Re: [Re: Lightening and Static Protection of Verticals]
by Roy Lincoln <wa4dou@usa.net>
- 26) [49199] Re: Capacitance
by Pete Burbank <plburbank@kih.net>
- 27) [49200] WWV and W1AW
by <SFIKE@twa.com>
- 28) [49201] Tick 4 Chips
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 29) [49202] Tick programming
by KD1YV <KD1YV@mindspring.com>
- 30) [49203] Re: Beginner QRP
by crc <crc@io.com>
- 31) [49204] FS: Icom IC-706 (the original)
by Roger Hightower <n7kt@earthlink.net>
- 32) [49205] Re: OT: 2+2 <>4
by Jim Ek <JIM-EK@worldnet.att.net>
- 33) [49206] New QRPp First
by radioham@erols.com
- 34) [49207] Re: Capacitance
by "George T. Baker" <w5yr@swbell.net>
- 35) [49208] For Sale
by john d langridge <kb5njd@juno.com>
- 36) [49209] Re: Proximity Switch Keyer
by "Al Gritzmacher" <ae2t@localnet.com>
- 37) [49210] Re: [Q] telescoping whip with a BNC connector???
by "Randy Jouett" <rules@bellsouth.net>
- 38) [49211] QRP TTF - I'll be there....
by S LYON <sslyon@worldnet.att.net>
- 39) [49212] Re: Proximity Switch Keyer
by Pete Burbank <plburbank@kih.net>
- 40) [49213] HyGain 18AVT Manual?
by aweiss@usd.edu (Ade Weiss WØRSP)
- 41) [49214] Message for Dick, AB0CD
by Tim Pettibone <k5oi@zianet.com>
- 42) [49215] Re: Capacitance
by "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>
- 43) [49216] RE: USB/LSB on CW

by "Mont Pierce, KM6WT" <km6wt@netzero.net>
44) [49217] Re: Proximity Switch Keyer
by "Randy Jouett" <rules@bellsouth.net>
45) [49218] RE: USB or LSB?
by Monte Stark <ku7y@dri.edu>
46) [49219] Antenna Traps
by "Dave Fifield" <fifield@pacbell.net>
47) [49220] FS: Laptop Computer, 20A Supply
by "J. Ervin Bates" <w8erv@msn.com>
48) [49221] Re: Proximity Switch Keyer
by "Randy Jouett" <rules@bellsouth.net>
49) [49222] Re: USB/LSB on CW
by "Randy Jouett" <rules@bellsouth.net>
50) [49223] Re: USB or LSB?
by Monte Stark <ku7y@dri.edu>
51) [49224] Re: USB or LSB?
by Phil Wheeler <w7ox@mindspring.com>
52) [49225] Re: Proximity Switch Keyer
by Pete Burbank <plburbank@kih.net>
53) [49226] Re: USB or LSB?
by Bob Patten <n4bp@bc.seflin.org>
54) [49227] 6m Receiver Kit - Followup and mods.
by Daniel Bartlett <ausham@rocknet.net.au>
55) [49228] What are boatanchors?
by Daniel Bartlett <ausham@rocknet.net.au>
56) [49229] help
by Eim Mulder <mulder@nfra.nl>
57) [49230] Re: New QRPP First
by "dor" <elbc@pivot.net>
58) [49231] Re: Lightening and Static Protection of Verticals
by Rick Sealey <rsealey@InfoAve.Net>
59) [49232] Re: What are boatanchors?
by "Kent, AE4Y" <ae4y@hotmail.com>
60) [49233] re:freeware logging program
by "Mark Paley" <mpaley@wcnet.org>
61) [49234] RE: USB/LSB on CW
by Robert McConnell <rmcconne@lightlink.com>
62) [49235] Re: What are boatanchors?
by "dor" <elbc@pivot.net>
63) [49236] Re: OT: 2+2 <>4
by ac5ez@webtv.net (Larry B)
64) [49237] RE: What are boatanchors?
by "Dan W. Dooley" <dandooley@pipeline.com>
65) [49238] Re: Lightening and Static Protection of Verticals
by "Mike Yetsko" <myetsko@insydesw.com>
66) [49239] RE: Super VX0 Question
by "Dan W. Dooley" <dandooley@pipeline.com>
67) [49240] need pics immediately

by Scott Howell <whowell@hq.nasa.gov>
68) [49241] logging program
by "Mark Paley" <mpaley@wcnet.org>
69) [49242] Re: What are boatanchors?
by Karl.Kanalz@optelinc.com
70) [49243] Re: Want to swap Solid State Design for ?
by Russ Hines <radioruss@fuse.net>
71) [49244] Trade RF-1
by Jim or Jade Seeber <kw3u@warwick.net>
72) [49245] Re: QRP AField in a few weeks
by Bill Jones <kd7s@psnw.com>
73) [49246] FS: Atlas 110 transceiver
by "Bill Legge, NT1R" <wlegge1@maine.rr.com>
74) [49247] QRN & Band Condx
by "Jerry Bartachek" <jbartac@max.state.ia.us>
75) [49248] RE: USB/LSB on CW
by "Alex Mendelsohn" <ai2q@ispchannel.com>
76) [49249] pics found
by Scott Howell <whowell@hq.nasa.gov>
77) [49250] 3D2QB
by Marv Fagenson <k6hcj@juno.com>
78) [49251] Re: Capacitance
by "George T. Baker" <w5yr@swbell.net>
79) [49252] Re: Soldering Station
by Chris Trask <ctrask@primenet.com>
80) [49253] Barbani books
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
81) [49254] RE: PCB software - Thanks!
by "Dan Walker" <DWalker@sciconsd.com>
82) [49255] RE: OT - HTML editor
by "Harley L. Miller" <hmliller@sound.net>
83) [49256] Re: Capacitance
by "Steven Weber" <kd1jv@moose.ncia.net>
84) [49257] Re: Laptop Computer, 20A Supply
by "J. Ervin Bates" <w8erv@msn.com>
85) [49258] Re: Proximity Switch Keyer
by "Randy Jouett" <rules@bellsouth.net>
86) [49259] cabinet screws on K2
by Wayne Burdick <n6kr@elecraft.com>
87) [49260] RE: cabinet screws on K2
by Dave Barrett <DBarrett@creo.com>
88) [49261] RE: cabinet screws on K2
by "Michael A. Gipe" <mgipe@reliablemeters.com>
89) [49262] Boatanchors....Pricey!
by tom whalen <wb5qyt@eFortress.com>
90) [49263] (no subject)
by Carol Palmer <ve3eza@sympatico.ca>
91) [49264] soldering station - review

by Brad Mugleston <bmug@gwl.com>
92) [49265] Switching Regulators
by Wes Spence <ac5k@ih2000.net>
93) [49266] Need base diagram of ZVNL110A MOS FET
by SABorns@aol.com
94) [49267] Re: Super VX0 Question
by Jake Brodsky <frussle@erols.com>
95) [49268] What Kit to Build, #8 The Next Step
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
96) [49269] RE: Super VX0 Question
by Dave Barrett <DBarrett@creo.com>
97) [49270] A circuit for you!
by "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
98) [49271] Re: What Kit to Build, #8 The Next Step
by <msailer@willys.buoy.com>
99) [49272] Re: What Kit to Build, #8 The Next Step
by Brian Short <bshort@speedchoice.com>
100) [49273] K2 screws
by Gary L Surrency <gsurrency@juno.com>
101) [49274] SWR/Wattmeter Homebrew or Kit?
by "David Castor" <dave_castor@easypower.com>
102) [49275] Re: SWR/Wattmeter Homebrew or Kit?
by Chris Cartwright Sr <ccart@phideaux.com>
103) [49276] Re: What Kit to Build, #8 The Next Step
by GElam30092@aol.com
104) [49277] Re: SWR/Wattmeter Homebrew or Kit?
by "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>
105) [49278] Re: What Kit to Build, #8 The Next Step
by <msailer@willys.buoy.com>
106) [49279] Re: SWR/Wattmeter Homebrew or Kit?
by Chris Cartwright Sr <ccart@phideaux.com>
107) [49280] Re: SWR/Wattmeter Homebrew or Kit?
by GElam30092@aol.com
108) [49281] Re: SWR/Wattmeter Homebrew or Kit?
by "Steve Sorrell" <ap036@detroit.freenet.org>
109) [49282] Re: K2 screws
by "Steve Sorrell" <ap036@detroit.freenet.org>
110) [49283] AX.25 Packet with Linux
by "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>
111) [49284] FS-QRP gear
by Dan Presley <talljazz@teleport.com>
112) [49285] DSW-40/30/20 Hints and Kinks Request
by n5ib@juno.com
113) [49286] RE: SWR/Wattmeter
by N10DL@aol.com
114) [49287] Re: AX.25 Packet with Linux
by "Robert P. Okas" <vintage@best.com>
115) [49288] Fwd: Tektronix 465B part

- by Pat Byers <pbyers@rttinc.com>
- 116) [49289] Re: Want to swap Solid State Design for ?
by Laura Halliday <lha@sdr.utias.utoronto.ca>
- 117) [49290] K2 With Notebook Power Supply
by Bob Patten <n4bp@bc.seflin.org>
- 118) [49291] Re: Code Speed Question..
by "Nick Kennedy" <nkennedy@cswnet.com>
- 119) [49292] K2 Screws & Wayne's offer
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 120) [49293] Re: QRN & Band Condx
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 121) [49294] New Timeline for K7QO
by "Chuck Adams, K7QO" <k7qo@hotmail.com>

Date: Thu, 2 Sep 1999 18:09:15 -0500 (EST)
From: igeq100@iupui.edu
To: qrp-l@Lehigh.EDU
Subject: [49174] DSW 40 Manual
Message-ID: <Pine.HPP.3.96.990902180454.24784C-1000000@ruby.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, all -

I am in the process of building a DSW 40. I am happy with the quality of the kit and my progress, but I am missing page 12 of the manual. I can probably fill in from the rest of the manual and bridge the gap, but I feel uneasy in case there was a "warning" on the missing page.

Since I am trying to get the rig going for the Labor Day weekend, I would be very grateful if someone could fax me the missing page. My fax number is (317) 278-2884. I would be happy to compensate you for the phone call, etc.

Tnx es 72/73,
Richard Meiss, WB9LPU

Date: Thu, 02 Sep 1999 19:09:46 -0400
From: Tim English <tje@usol.com>
To: qrp-l@lehigh.edu

Subject: [49175] Gel Cell Batteries
Message-ID: <4.2.0.58.19990902190755.009bea80@mail.usol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Ok, this is the last call for anyone interested in some brand new 12 volt 7.2 AH gel cells before I place an order. Is there anyone else that would be interested ? Please email me asap.

--

72/73, Tim, K8TJ

Date: Thu, 2 Sep 1999 18:04:30 -0500
From: "Nick Kennedy" <nkennedy@cswnet.com>
To: <rengelwb8uoj@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [49176] Re: Capacitance
Message-ID: <002301bef597\$845e6c40\$257054d8@big>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Like several people have already said, it was easier when they were micro-micro farads. Not too hard to tell which one is smaller when one is a millionth of the other.

Plus, we didn't have to deal with how to pronounce pico. Long E sound or long I?

And don't even get me started on those nano things. Where's my slide rule?

72E+00

Nick, WA5BDU

-----Original Message-----

From: Robert P Engelman <rengelwb8uoj@juno.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Wednesday, September 01, 1999 11:37 PM
Subject: Capacitance

>Howdy all,

>

>Can any body answer for me a simple, dumb question?? How big / small is

>a micro farad and pico farad ?. Have been doing a bit of tinkering down
>in the shack, and couldn't remember which was smaller or bigger, and how
>many zeros went where. My memory thinks that the PF is millionth and MF
>is thousandth ?? though I'm not sure....

>

>As always, any comments would be appreciated

>

>Thanks,

>

>Bob WB8UOJ

>

>-----
>Get the Internet just the way you want it.

>Free software, free e-mail, and free Internet access for a month!

>Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

>

Date: Thu, 2 Sep 1999 18:08:24 -0500
From: "Nick Kennedy" <nkennedy@cswnet.com>
To: <zlau@arrl.org>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [49177] Re: USB/LSB on CW
Message-ID: <002e01bef598\$0ff681c0\$257054d8@big>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, uh ... Hmmm

Yeah, there are sidebands on CW, I reckon, due to keying being a modulation envelope of sorts. I guess the sidebands are the "clicks" we all know and love.

But hey, you don't really tune in the CW sidebands like you do SSB or DSB. You'd tune in a constant carrier (no sidebands) the same way you tune in CW at 35 WPM.

72,

Nick, WA5BDU

-----Original Message-----

From: Zack Lau <zlau@arrl.org>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Date: Thursday, September 02, 1999 7:25 AM

Subject: Re: USB/LSB on CW

>Which sideband you receive on is only a problem if someone goes through
>all the trouble of filtering one of them out. It is possible to send just
>the lower
>or upper sidebands of a CW signal, but I've never heard such a signal--a
>challenge for someone out there? Otherwise, receiving a CW signal on a
>SSB receiver is just like receiving a DSB signal--you can choose either the
>lower or upper sidebands for best reception. One set often has less
>interference
>in crowded band conditions. 73--Zack W1VT
>
>

Date: Thu, 2 Sep 1999 18:18:09 -0500
From: "Nick Kennedy" <nkennedy@cswnet.com>
To: <wphinizy@filenet.com>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [49178] Re: Code Speed Question..
Message-ID: <001401bef599\$6cfbdf40\$257054d8@big>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Oh, boy this could be a good one.

I couldn't agree more. Some people think I'm a pretty fast CW Op, but I
tell ya, when the speeds get much above 50 WPM, it sounds like a buzz.
Sometimes I can't even tell if it's CW or RTTY or what.

Now's a good time to mention that if you're looking for a fun way to drive
yourself insane, you should give RUFZ a try. Big fun!

72,

Nick, WA5BDU

(BTW--not claiming I can copy 50, just for the record.)

-----Original Message-----

From: Phinizy, William <wphinizy@filenet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Date: Thursday, September 02, 1999 12:59 PM
Subject: Code Speed Question..

>The other day, I was engaged in a post-swap meet conversation with some
>other QRPers and the subject of code speed came up. I had always assumed
>that the World record for copying (sending and receiving) Morse code was
>somewhere around 75 word per minute, but someone remarked that some are
able
>to do 80+ wpm. Furthermore, I read in an older QRP ARCI quarterly that
there
>were those capable of copying at 100+ wpm.
>
>Several times I have turned the ol' K-3 up to 60 wpm and pushed the 'QTH'
>memory button. For the life of me, I cannot conceive of a human deciphering
>code at that speed (let alone 75 wpm). yet, I know they're out there..
>
>My eternal thanks for any enlightenment.
>

Date: Thu, 2 Sep 1999 19:29:56 -0700
From: "Mark Paley" <mpaley@wcnet.org>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [49179] freeware logging program
Message-ID: <002701bef5b4\$37cf3f40\$98ab85cd@mpaley>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

About 10 years ago I wrote a DOS-based logging program called EasyLogger. I
uploaded both a partial and a fully-functional program free of charge on
many billboards--this was before the Internet became so popular. I'm hoping
that doing this good deed will result in things coming full-circle. At any
rate, I really don't want to get into writing another program for Windows 98
since I don't have the time and really don't feel like re-inventing the
wheel. Anyone out there know of some freeware logging programs for Windows
95 or 98? If so maybe you could point me to the URL...

Thanks,
Mark Paley--KF8KL--
K2 #250
mpaley@wcnet.org
<http://www.wcnet.org/~mpaley>

Date: 2 Sep 1999 18:38:21 LOC
From: <SFIKE@twa.com>
To: <qrp-1@lehigh.edu>
Subject: [49180] other reflectors
Message-ID: <19990902.183821.SFIKE@twa.com>

This QRP reflector is pretty nifty! Does anybody know of any other amateur-radio related reflectors?

Date: Thu, 02 Sep 1999 19:48:20 -0700
From: JPD <jdanter@mail.i-america.net>
To: qrp-1@Lehigh.edu
Subject: [49181] Re: Other Reflectors
Message-ID: <37CF36F4.222F@mail.i-america.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

<http://www.ac6v.com/pageae.html>

Date: Thu, 2 Sep 1999 19:50:24 -0400
From: "Ed Tanton" <n4xy@att.net>
To: <tje@usol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [49182] RE: Gel Cell Batteries
Message-ID: <NBBBJDEEIFDDANGEGHLBEEJDGMAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

In case some of you are not familiar with Tim's offerings... I have bought several batteries from him over the past couple of years: they are great deals, and make terrific QRP batteries.

Just a very satisfied customer.

72 / 73 Ed N4XY email: <n4xy@arrl.net>

Date: Thu, 2 Sep 1999 18:52:42 -0500 (EST)
From: igeq100@iupui.edu
To: qrp-1@Lehigh.EDU
Subject: [49183] DSW 40 Manual Follow-up
Message-ID: <Pine.HPP.3.96.990902185037.29802B-100000@ruby.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, all -

I have found a kind source for the missing page. Thanks to all who responded or would have!

72/73

Richard Meiss, WB9LPU

Date: 2 Sep 1999 18:56:17 LOC
From: <SFIKE@twa.com>
To: <qrp-1@lehigh.edu>
Subject: [49184] Beginner QRP
Message-ID: <19990902.185617.SFIKE@twa.com>

Thanks for all the info from everybody! The response to my question on wich QRP kit I should start out with has been more than overwhelming. It seems that everybody has their own opinion on wich kit I should start out with, however, I get the impression that the Small Wonder Labs + kit in 40 meters is the way to go. So be it. Looks like I'll be getting this for a first qrp kit!

One additional question though. The SW+ rig puts out about 2 watts or so, depending on the source of info, just out of curiosity, is there a mod to bring this rig up to a full 5 watts if I ever decide I need to?

Once again, thanks to all who respond!

72/73

Scott

Date: Thu, 2 Sep 1999 20:27:26 -0400
From: "Stephen D. Cohen" <scohen@xps.xybion.com>
To: qrp-1@Lehigh.EDU
Subject: [49185] OT: Re: Capacitance

Message-ID: <199909030009.UAA88784@nss4.cc.lehigh.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Yesterday, Mark Bellamy wrote:

> Micro is millionths
...
> Pico is trillionths
...
> Milli is $10^{(-3)}$ this is thousandths
> Nano is $10^{(-9)}$ this is billionths
> Fempto is $10^{(-15)}$ this is quadrillionths
> Atto is $10^{(-18)}$ this is quintillionths

Just a little reminder that we need to be careful when using such language in mixed company. A billion means different things in different parts of the world. In the good old USA, it is a thousand million. In most of the rest of the world it is a million million. The same goes for trillion and quadrillion and a quintillion and... and...

Fortunately, Mark included the numerical equivalents in the second table. Unfortunately, not everyone does.

73,

Steve, N30IE

Stephen D. Cohen
Engineering Manager
Xybion Corporation, Sensor Positioning Systems
11528 53rd Street North
Clearwater, FLA 33760-4825
scohen@xybion.com

Date: Thu, 2 Sep 1999 16:57:32 -0400
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [49186] New toys arrive &c
Message-ID: <19990902.170638.17006.5.nilsbull@juno.com>

Gang,

If you've been following the discussion of boxes to carry radios on vacation which has been rolling in and out like an undecided tropical storm, you've probably already heard about the carrying case from Harbor Freight, which case appeared to be perfect for the K2 set up. (Which it is, but that's another story . . .)

So that arrived today & gave me a chance to lose half the stuff that came with it at least three times before I finally got everything in the box the way I liked it. Then the handle fell off.

Metric screws. You gotta love 'em. I managed to get the handle reattached & tightened the rest of the hardware that I found loose. Figures. I lose the parts, the parts are loose. The usual fifteen minute job turned into a short story by Kafka. But now I have a case in which I can stash but not necessarily carry the K2 to the next encounter with DX on the beach. That & the Gloria Trevi look-alikes who are probably driving Interpol nuts by now, what with Gloria Trevi clones on all the fashionable beaches of all seven continents. A worked-all-continents approach to being on the lamm.

So that's the weird news.

The good news: The key which I had ordered from Marshall Emm arrived as well today. No lose parts. Lots of packing material. And me without the appropriate chonk of wire to hose it up with. Brand new stuff. Never been slobbered or nawthin. I mounted it to a piece of the tempered masonite (why can't I find that stuff any more?) that was left over from the K2 box fiascos and now have it sitting here next to me like a pregnant cat.

Eet choost wanz to parteeeee!

And this weekend? Removing wall paper from the room that we've promised the youngest now that he's in middle school/junior high and needs more floor space to cover with all the crap that he's got spalattered everywhere else what he claims as territory like the cat that got the key pregnant, which is another story

Maybe I'll get on the air some. Them top most three bands sound pretty neat, even with the "freebanders" hanging around above 24.890 and betwixt 25 & 30 MHz. If they're on, I should be too. So there.

Now where's that cat . . .

73

Nils

. . . I think the heavy duty cocaine-runnin' brief case that I took the K2 on vacation in is better built than the Harbor Freight box. Thicker

metal mostly. That & a tighter piece of craftsmanship. Variable mileage &c.

Nils R. Bull Young :: La Estancia de los Guajolotes Sonrientes
WB8IJN &c :: The Tagalong Press :: email to nilsbull@juno.com
"In my day we had to FIGHT to have email! Every day was a struggle!"
-- Comrade Sergei Nikolaievich
McTovarishov

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 02 Sep 1999 20:20:17 -0700
From: Charles Kadesch <chas@digizen.net>
To: qrp-1@lehigh.edu
Subject: [49187] re: Capacitance
Message-ID: <37CF3E71.2FBC@digizen.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The problem started long ago when they defined the Farad. Depending on the dielectric and construction, a one farad capacitor might be as big as the Empire State Building. Thus, all practical capacitors like we use in our radios need these obfuscating (now there's a word for you) multipliers.
-72 de Chas W3KC-

Date: Thu, 2 Sep 1999 19:37:29 -0500
From: "Nick Kennedy" <nkennedy@cswnet.com>
To: <SFIKE@twa.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [49188] Re: other reflectors
Message-ID: <000e01bef5a4\$8183e920\$507054d8@big>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

That URL someone posted the other day ...

www.eham.net

had a bunch of different ham reflector archives.

Nick, WA5BDU

Date: Thu, 2 Sep 1999 20:55:51 -0400
From: "Tom H" <biskit@snip.net>
To: <SFIKE@twa.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [49189] Re: other reflectors
Message-ID: <00c001bef5a7\$131d8d80\$464fccd1@hybiske>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> This QRP reflector is pretty nifty! Does anybody know of any other
amateur-
> radio related reflectors?
>
>

I like http://www.contesting.com/_tentec/ &
http://www.contesting.com/_towertalk/
Their URL's explain their contents. Go to the root URL for subscription
information.

Tom K3GM

Date: Thu, 2 Sep 1999 18:04:29 -0700 (PDT)
From: Jim Durkin <jimdurkin@yahoo.com>
To: nkennedy@cswnet.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [49190] Re: Code Speed Question..
Message-ID: <19990903010429.8172.rocketmail@web303.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Nick,
What is RUFZ?
73
Jim kt4a

--- Nick Kennedy <nkennedy@cswnet.com> wrote:
> Oh, boy this could be a good one.
>
> I couldn't agree more. Some people think I'm a
> pretty fast CW Op, but I
> tell ya, when the speeds get much above 50 WPM, it
> sounds like a buzz.
> Sometimes I can't even tell if it's CW or RTTY or
> what.
>
> Now's a good time to mention that if you're looking
> for a fun way to drive
> yourself insane, you should give RUFZ a try. Big
> fun!
>
> 72,
>
> Nick, WA5BDU
>
> (BTW--not claiming I can copy 50, just for the
> record.)
>
>
> -----Original Message-----
> From: Phinizy, William <wphinizy@filenet.com>
> To: Low Power Amateur Radio Discussion
> <qrp-l@Lehigh.EDU>
> Date: Thursday, September 02, 1999 12:59 PM
> Subject: Code Speed Question..
>
>
> >The other day, I was engaged in a post-swap meet
> conversation with some
> >other QRPers and the subject of code speed came up.
> I had always assumed
> >that the World record for copying (sending and
> receiving) Morse code was
> >somewhere around 75 word per minute, but someone
> remarked that some are
> able
> >to do 80+ wpm. Furthermore, I read in an older QRP
> ARCI quarterly that
> there

> >were those capable of copying at 100+ wpm.
> >
> >Several times I have turned the ol' K-3 up to 60
> wpm and pushed the 'QTH'
> >memory button. For the life of me, I cannot
> conceive of a human deciphering
> >code at that speed (let alone 75 wpm). yet, I know
> they're out there..
> >
> >My eternal thanks for any enlightenment.
> >
>
>

Do You Yahoo!?
Bid and sell for free at <http://auctions.yahoo.com>

Date: Thu, 2 Sep 1999 19:57:49 -0500
From: "Nick Kennedy" <nkennedy@cswnet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [49191] Matchbox -- thanks for help
Message-ID: <002901bef5a7\$58d43b80\$507054d8@big>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to the several folks who offered me a copy of the manual and advice
on putting my matchbox back to its original configuration.

BTW--I found the manual on-line at

<ftp://bama.sbc.edu/> a very nice site with lots of manuals.

Also, <http://www.nostalgiaair.org> is another site with manuals for some old
ham stuff, test equipment and other boatanchors.

72,

Nick, WA5BDU

Date: Thu, 2 Sep 1999 18:09:59 -0700
From: sigcom@juno.com
To: qrp-l@Lehigh.EDU
Subject: [49192] Re: other reflectors
Message-ID: <19990902.181000.-482937.1.sigcom@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

>>>>There are no other reflectors. We are QRP-L. You have been
assimilated.<<<<

: -). Enjoy.

OB QRP: I have started construction of the 2N2/40 that I 'won' from
Larry. Ooh, the T-shirt is so cool.

73.....Steve, WB6TNL

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 2 Sep 1999 19:13:42 -0600
From: "Rod, N0RC" <rwc@frii.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [49193] ARCTIME GROUP BUY--CLOSED--
Message-ID: <004501bef5a9\$95b07440\$c18611d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello:

The WWVB Travel Alarm Group Buy is now closed.

All buyers have been notified by separate email of the remaining details,
price...etc. If you emailed me earlier stating your intent to buy, but have not
received email from me with final details, contact me, we'll work things out.

72/3 Rod, N0RC
da di dah

Date: Fri, 03 Sep 1999 01:26:55 +0000
From: Brian Short <bshort@speedchoice.com>
To: qrp-l@lehigh.edu
Subject: [49194] OT: WTB Vibroplex Paddle
Message-ID: <4.1.19990903012627.05195dd0@mail.phoenix.speedchoice.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

WTB Vibroplex Paddle

A local ham friend is looking to purchase a VibroKey Deluxe non-Iambic, single-red-paddle with chrome base.

Please state condition/price.

You can reach him directly at: jayneeb@asu.uswest.net

--
Brian K. Short <http://www.qex.net/k7on/> <mailto:k7on@arrl.net>
--

Date: Thu, 2 Sep 1999 19:25:18 -0600
From: jaywa5whn@juno.com
To: qrp-l@lehigh.edu
Subject: [49195] QRP AField in a few weeks
Message-ID: <19990902.192523.-859343.1.jaywa5whn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

>From the people who had given us lighthouses, the wrong pronouncation of the word "route", clam chowder, toll booths on I-495, Michael Dukakis and in a few weeks, that classic QRP contest "QRP AField" {Contest Manager: NN1G, email: dave@smallwonderlabs.com }.

I will be camping out over night, and taking advantage of the bonus points on Sunday morning from grid square DM65nu {San Miguel Mountain, home of lots of green diamondback rattlesnakes & one mine}.

This is the last scheduled outdoor QRP event for 1999. Let's make it a big one.

Ah, rattlesnake meat, a delicacy.

72...Jay, WA5WHN DM65qd Albuquerque,

NM USA

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 02 Sep 1999 21:35:22 -0400
From: Paul Stroud <aa4xx@ipass.net>
To: QRP-L <QRP-L@lehigh.edu>
Subject: [49196] Super VXO Question
Message-ID: <37CF25DA.57B4AC0F@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

I have recently built the KK7B single signal direct conversion receiver, better known as "R2," and it's performance is quite good.

For the L0, I decided to use a VXO to ensure good frequency stability. For 40M, I selected two inexpensive microprocessor xtals--one at 11.046 MHz and the other at 4.000 MHz. Mixing these two fellers with a NE602 followed by a 40M BPF provided the desired output of 7.036-7.046 as the 11.046 MHz rock was armtwisted.

Desiring more than 10 KHz of swing, I followed the advice of the "Super VXO" gurus by simply soldering a second 11.046 Xtal in parallel with the original one. Then the VXO range increased to 34 KHz, providing the range of 7012-7046 KHz, again with impressive stability.

My question is, if one xtal is good, and two parallel xtals are super, might an additional xtal further extend the VXO while maintaining stability? I don't have a xtal on hand to try this idea, but I'm sure some of you guys have tried this. I might also mention that increasing the VXO series inductance (15 uH) and/or capacitance does not increase the swing beyond the present 34 KHz...

Thanks for any comments es 72, Paul AA4XX

Date: Thu, 2 Sep 1999 21:39:18 -0400 (EDT)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: "Rod, N0RC" <rwc@frii.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [49197] Re: ARCTIME GROUP BUY--CLOSED--
Message-ID: <Pine.OSF.3.95.990902213818.25450D-100000@saturn4.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

For those who did not see the list of names on the Group Buy, it's really something. A Who's Who of QRP-L if there ever was one!

73! =paul= W8KC
Collector of Ten*Tecs and other fine plastics
<<http://www.acs.oakland.edu/~prvalko>>

Date: 2 Sep 99 21:41:19 EDT
From: Roy Lincoln <wa4dou@usa.net>
To: ccart@phideaux.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [49198] Re: [Re: Lightning and Static Protection of Verticals]
Message-ID: <19990903014119.28685.qmail@www0j.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

Hi Gang(and Chris),

From all i've read over the years, its a popular misconception about lightning having a lot of vhf/uhf energy in it. The principal frequency range of lightning is from the AM broadcast band and down. About 100 khz. to 1 = mhz.

73 Roy Lincoln WA4DOU

-----=
- =

=

=

Chris

Cartwright Sr <ccart@phideaux.com> wrote:

On Thu, 2 Sep 1999, Dan W. Dooley wrote:

> protection - a quick DC path to ground at the antenna, and a good way o=
f

Can't help much with choke or grounding, but from the little I've read
lightning is not a DC event. One site that took a hit measured the
distance between the blown out burn holes in the coax, and worked out tha=
t
there is a *LOT* of energy up to at least 300MHz. I like my lightning
protection method, throw the cables outside, hide, come out after it's al=
l
over and see what's left :)

-- Chris Cartwright, Technical Engineer | ccart@phideaux.com =
--
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je =
--
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271=
--

Get free email and a permanent address at <http://www.netaddress.com/?N=3D=1>

Date: Thu, 02 Sep 1999 21:54:56 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-l@Lehigh.EDU>
Subject: [49199] Re: Capacitance
Message-ID: <3.0.32.19990902215444.00719d44@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 06:04 PM 9/2/99 -0500, you wrote:

>Like several people have already said, it was easier when they were
>micro-micro farads. Not too hard to tell which one is smaller when one is a
>millionth of the other.

>

>Plus, we didn't have to deal with how to pronounce pico. Long E sound or
>long I?

>

>And don't even get me started on those nano things. Where's my slide rule?

>
>72E+00
>
>Nick, WA5BDU

Yow!!!The obfusucation nerds have ticked me off for YEARS!!
What is wrong with a unit that truly describes itself???
Like a mega-cycle....Was Hertz the subject of child abuse and
needed something named after him?
I better shut up and get cleaned up for another UFO abduction
and implant...
72/3/88
Pete NV4V vvvvvvvvv

Date: 2 Sep 1999 20:59:40 LOC
From: <SFIKE@twa.com>
To: <qrp-1@lehigh.edu>
Subject: [49200] WWV and W1AW
Message-ID: <19990902.205940.SFIKE@twa.com>

Need some help here folks.
In the past, I think I have seen plans in back issues of QST of a simple
WWV (the atomic clock) and W1AW receivers for a construction project.
I was wondering if anybody could help me locate wich issues these were in.
All I need are the month and year the article appeared in and I can go to
my library and copy the article as they have every issue of QST in physical
form or on micro-film.I myself don't subscribe to QST but have seen them in
a friends issue when I have gone to visit his shack.
Any help would be greatly appreciated.
Thanks
73,
Scott

Date: Thu, 02 Sep 1999 22:14:23 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>, "njqrp@njqrp.org" <njqrp@njqrp.org>
Subject: [49201] Tick 4 Chips
Message-ID: <37CF2EFF.6D11989A@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I got my Tick 4 chips in the mail today. One for my travel keyer and the

other for my yet to be built Norcal 20 (I'm getting there!!!). Very nice improvement over the previous iterations and well worth the price. There is one thing that is a little unclear and may effect some folks choices. While the chips non-volatility applies to features such as speed, mode, paddle select and sidetone, the two 50 character memories are NOT held in non-volatile memory. If you turn the keyer off you need to reprogram the memories. Fortunately this is not a difficult task. The folks at Embedded research have done a real nice job once again.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Thu, 02 Sep 1999 22:34:42 -0300
From: KD1YV <KD1YV@mindspring.com>
To: qrp-l@lehigh.edu
Subject: [49202] Tick programming
Message-ID: <37CF25B2.3618381E@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Would somebody kindly send me a brief synopsis of the programming commands for the Tick-EMB? I seem to have lost that instruction sheet.

TIA

--

72/73 de Jim, KD1YV <http://www.qsl.net/kd1yv/>
Emergency Coordinator, Bethel, CT : Bulletin Manager, CT Section, ARRL
We're building tomorrow's legacy systems ... today!

Date: Thu, 02 Sep 1999 21:45:05 -0500
From: crc <crc@io.com>
To: SFIKE@twc.com, QRPL <QRP-L@Lehigh.EDU>
Subject: [49203] Re: Beginner QRP
Message-ID: <37CF3630.A44F8C84@io.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

> wich
> QRP kit I should start out with has been more than overwhelmingt. Looks like
> I'll be getting this for a first qrp
> kit!
> One additional question though. The SW+ rig puts out about 2 watts or so,
> depending on the source of info, just out of curiosity, is there a mod to
> bring this rig up to a full 5 watts if I ever decide I need to?
>
> 72/73
> Scott

Gang I see a true QRP er here, doesn't even have the first rig in hand and
Scott is already planning his "mods".
Charlie WA5KRF

Date: Thu, 02 Sep 1999 20:05:24 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [49204] FS: Icom IC-706 (the original)
Message-ID: <37CED884.B649A1E@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've been bitten by the "gottahaveit" bug for a K2, so am offering an
Icom IC-706, original version. Very clean, includes power cable,
manual, mike, and mobile bracket. Asking \$700.00 shipped.

72..Roger, N7KT

--

73, de Roger, N7KT
qrp-l #62, NorCal #1099, Zombie #006
Mesa, AZ 85202

Date: Thu, 2 Sep 1999 22:29:34 -0500
From: Jim Ek <JIM-EK@worldnet.att.net>
To: "'Low Power Amateur Radio'" <qrp-l@Lehigh.EDU>
Subject: [49205] Re: OT: 2+2 <>4

Message-ID: <01BEF592.A548E200@94.indianapolis-08-09rs.in.dial-access.att.net>

To all of you who responded to my inquiry regarding why the formula for a wavelength was different then the double of the formula for a half - wave length antenna. THANK YOU VERY MUCH!!!

The one thing that come apparent very quickly as one gains exposure to amateur radio is the helpfulness of the practioners.

Thanks for taking the time to respond!

I did pass the Novice and Technicians written (parts 2 & 3A) this evening. I was weak in a few area of electrical, so I'm going to take a week or two to get that material down and then start going for the code and onward and upward towards general, etc.

Jim Ek

Date: Thu, 02 Sep 1999 23:30:52 -0400
From: radioham@erols.com
To: qrp-l@Lehigh.EDU
Subject: [49206] New QRPp First
Message-ID: <3.0.6.32.19990902233052.007c2770@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

With all this talk about milliwatting, I wish to announce that I just issued Worked All 50 States All 1000 Mile Per Watt Contacts Award #1. Of the 429 WAS awards issued by QRP ARCI, Larry Cahoon, WD3P, Upper Marlboro, MD, has earned the first one by working all states at 1,000 miles per watt or more. His best of the 50 states was FL at a whopping 367,200 miles per watt. He did that with 2 mw. His highest power used in this accomplishment was 500 mw. Over the years there have been others who have done WAS at less than one watt, but the records I have indicate that no one has done it completely at 500 mw or less.

Way to go, Larry. We are proud of you.

This is a goal to shoot for - who will be number 2????

As you may have noted on QRP-L, Jim Hale requested that we issue DXCC awards for less than 100 countries. Milestones of 25, 50 and 75 countries would entitle one to an award. This would be similar to WAS, where we issue awards for 20, 30, 40 and 50 states. I have no objection to this, though the QRP ARCI Board will have to make the final decision. I do want

to note, however, that the award certificate will be resissued at each milestone - we do not have endorsement stickers. That is how it is done for WAS.

If any of you have suggestions for new operating awards please let me know. Full details of what is currently available are at <http://www.qrparci.org>.

72/73,

Steve, N4EUK
QRP ARCI Awards Manager
Reston, VA

Date: Thu, 02 Sep 1999 23:00:22 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: chas@digizen.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [49207] Re: Capacitance
Message-ID: <37CF47D6.21474E5C@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Except that now 1 F caps and even larger are readily available in the catalogs! Low voltage, of course, but can you imagine one F that you can hold in one hand?

72/73, George AMA 98452 R/C since 1964

Amateur Radio W5YR, in the 54th year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

Charles Kadesch wrote:

Thus, all practical capacitors like we use in
> our radios need these obfuscating (now there's a word for you)
> multipliers.

Date: Thu, 2 Sep 1999 23:02:42 -0500
From: john d langridge <kb5njd@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [49208] For Sale

Message-ID: <19990902.230245.-979975.0.KB5NJD@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

I have a 3 month old Cushcraft R7000 that I would like to find a new home for. I bought it originally because I thought I was going to be moving into an antenna restricted neighborhood, but that fell through, so the new location is wire friendly which means the loops can go back up.

If you are interested in info about the antenna, feel free to ask. I am interested in getting a little money back on it, but have no intention on reclaiming all that I paid (\$379). I would like to get \$250 for it, so if you are interested, send me a mail. I have the manual and the box as well and will ship in the continental US.

73,

John KB5NJD

Date: Fri, 3 Sep 1999 00:18:21 -0400

From: "Al Gritzmacher" <ae2t@localnet.com>

To: qrp-l@Lehigh.EDU

Subject: [49209] Re: Proximity Switch Keyer

Message-ID: <199909030417.AAA23126@mx2.localnet.com>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

On 1 Sep 99, at 19:03, qrp-l@Lehigh.EDU wrote:

> >OK gang -- hate to say it, but everyone is on the wrong track...

I think that's an understatement!

I don't think most of the group is thinking of the same thing when they talk of "proximity" switches. Many seem to remember the old attempts at paddles that used hand capacitance.

I think what was intended was just replacing the mechanical contacts with an electronic alternative, called a proximity switch. These are very common in industrial machinery and simply detect the presence of a metal part in front of the sensor. Most of these operate with an oscillator and coil or coils and detect a change

when the metal comes into the open area off the end of the coil. However, these have been refined and perfected into extremely small and simple-to-use packages. Some may also be Hall-effect devices.

There is no need to reinvent the wheel if someone wants to play around with these in a paddle. They are available commercially and come in an amazing array of sizes and shapes. Most of the ones I run into at work are 50-250 vac with triac outputs, but low-voltage DC ones are common too.

Someone else mentioned using light and IR LEDs and it somehow got twisted into lasers. Actually, this is also a possibility and there are many light-operated switch modules that could be adapted off-the-shelf to try out such an idea. Fiber-optic guides are commonly used to get the light into and out of tight places (such as a gap in a paddle mechanism) and again are available in astonishingly small and specialized sizes and shapes.

If you'd like to look into some of these, look for some of the companies that make these devices, look for Banner, Telemechanique, Turck, Cutler-Hammer and similiar companies. I'm sure you will find at least some distributors with web pages that will give you an idea of what's available.

I have a set of small DC proximity switches that I saved when they were removed from some equipment where I worked. (All our controls work on 110 vac - they replaced the DC switches with different ones.) I have been meaning to try them in a paddle arrangement, but haven't gotten around to it yet. Maybe with this discussion, I'll give it a try.

Just as an idea, the ends of these proxies are so small that I could probably take the threaded contact piece out of the posts on a Bencher paddle and use the post as a holder for them. Since they are DC, they should be a cinch to interface to a rig, just add at most a power source and maybe a transistor switch.

These have no adjustment, other than moving them closer or farther from the metal item they meet. The smaller the prox switch, the smaller the zone they can be activated in. In a paddle, you could leave the existing contact in place as a stop for the paddle travel, and bring the prox switch into place so that it doesn't activate until it is almost closed. The good thing about a prox switch is it doesn't rely on a mechanical operation and if you press the paddle in a way that would almost, not quite make a good contact closure with the standard contact, the prox switch probably would not care and work fine. How this affects the "feel" of the paddles remains to be

seen!

The amazing thing about QRP is not how many contacts are made, but that they are made at all. Every QSO is a contradiction of conventional wisdom.

72,

Al Gritzmacher, AE2T

QRP-L #1664 QRP-ARCI #9837 K2 #274

ae2t@arrl.net

<http://members.localnet.com/~ae2t/>

QRP - If you don't try, you'll never know!

Date: Thu, 2 Sep 1999 23:21:07 -0500

From: "Randy Jouett" <rules@bellsouth.net>

To: <w7ox@mindspring.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [49210] Re: [Q] telescoping whip with a BNC connector???

Message-ID: <00c101bef5c4\$1f8b2380\$41e498cd@spock>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Phil Wheeler <w7ox@mindspring.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Date: Thursday, September 02, 1999 9:13 AM

Subject: Re: [Q] telescoping whip with a BNC connector???

Hi Phil,

>Eric, of Elecraft, does have HF telescoping antenna(s?) for his K2.

>They are sold in Japan, and apparently not available elsewhere. That is

>what he has used to demo the K2 (e.g., at ARRL HQ).

>

>Info is from Eric in a private msg .. which I did not save. Company is

>something like Mihahu (but that is not quite right!).

I wonder if Eric & Wayne could be talked into importing and selling this antenna? They are demoing the thing when they demo the K2, and I'm sure they get a lot of questions about the antenna. Maybe we could talk them into it :^).

72/73,

Randy Jouett, AB5NI

a bunch of questions

Date: Fri, 03 Sep 1999 00:48:48 -0400
From: S LYON <sslyon@worldnet.att.net>
To: qrp chat <qrp-1@Lehigh.EDU>
Subject: [49211] QRP TTF - I'll be there....
Message-ID: <37CF5330.FBFACEFA@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

-with the DSW-20 and the SW 40+ (both turned down to < 1-w) a rainbow tuner and a hasty fab'd Z-match which seems to work well. Last time on Mt Beacon I melted one sole of my work boots on the rocks and got torn to shreds taking the short-cut thru a blackberry forest. I'll take my time this trip, camp overnite and smell the roses. See you there!

72

--

'Seab' Lyon - AA1MY
Beacon NY USA FN-31
QRP-L 574 ARCI 9253

Date: Fri, 03 Sep 1999 01:06:51 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [49212] Re: Proximity Switch Keyer
Message-ID: <3.0.32.19990903010647.00713fc0@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gosh, maybe we could work in a bowling ball dropped onto a cats tail and detect the yowl etc.

About every 6 months I run a matchbook cover saturated with contact cleaner thru my homebrew keyer contacts. It works pretty well because I live in Kentucky and can only think somewhere between 20 and 30 WPM.

72/3/88

Pete NV4V vvvvvvvv

Date: Fri, 3 Sep 1999 00:20:37 -0500 (CDT)
From: aweiss@usd.edu (Ade Weiss WORSP)
To: qrp-l@lehigh.edu
Subject: [49213] HyGain 18AVT Manual?
Message-ID: <199909030520.AAA23725@sunburst.usd.edu>

Anyone out there have the little manual for the HyGain 18AVT (or Q?)
trap vertical -- it's the one with the 80-meter top section.

Thanks!

72, Ade

Date: Thu, 2 Sep 1999 23:19:51 -0600
From: Tim Pettibone <k5oi@zianet.com>
To: qrp-l@lehigh.edu
Subject: [49214] Message for Dick, AB0CD
Message-ID: <05195198422540@zianet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dick: My response to your message was bounced by U.S. West - "relaying
denied." Am leaving in the a.m. for a few days and wanted you to know that
the 3 pin, in line, female plug is the one. Thanks. And sorry for the
bandwidth gang.

Tim K5OI
QRP-L # 73

Date: Thu, 2 Sep 1999 22:47:40 -0700
From: "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>
To: qrp-l@lehigh.edu
Subject: [49215] Re: Capacitance
Message-ID: <19990902224740.B28551@dolphin.openprojects.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

On Thu, Sep 02, 1999 at 11:00:22PM -0500, George T. Baker wrote:

> Except that now 1 F caps and even larger are readily available in the
> catalogs! Low voltage, of course, but can you imagine one F that you can
> hold in one hand?

And if that 1F was charged, even with 5V, do you realize just what a
shocking personality you'd have? ;)

```
=====
      KC5TJA/6      |                      -| TEAM DOLPHIN |-
      DM13          |                      Samuel A. Falvo II
      QRP-L #1447   |                      http://www.dolphin.openprojects.net
      Oceanside, CA |.....
```

Date: Thu, 2 Sep 1999 22:57:01 -0700
From: "Mont Pierce, KM6WT" <km6wt@netzero.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, <zlau@arrl.org>
Subject: [49216] RE: USB/LSB on CW
Message-ID: <LOBBJKJKCMAHICFDNKEJKEBMCDAA.km6wt@netzero.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Actually, this is rather interesting.

What do you get when you transmit on USB/LSB but instead of a microphone
you feed a tone oscillator into the mic input?

mont/km6wt

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Zack Lau
> Sent: Thursday, September 02, 1999 5:21 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: USB/LSB on CW
>
>
> Which sideband you receive on is only a problem if someone goes through
> all the trouble of filtering one of them out. It is possible to send just
> the lower
> or upper sidebands of a CW signal, but I've never heard such a signal--a
> challenge for someone out there? Otherwise, receiving a CW signal on a
> SSB receiver is just like receiving a DSB signal--you can choose
> either the
> lower or upper sidebands for best reception. One set often has less

> interference
> in crowded band conditions. 73--Zack W1VT
>
>

Date: Fri, 3 Sep 1999 01:01:12 -0500
From: "Randy Jouett" <rules@bellsouth.net>
To: <ae2t@localnet.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [49217] Re: Proximity Switch Keyer
Message-ID: <010501bef5d2\$3ee365e0\$41e498cd@spock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----
From: Al Gritzmacher <ae2t@localnet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Thursday, September 02, 1999 11:20 PM
Subject: Re: Proximity Switch Keyer

On 1 Sep 99, at 19:03, qrp-l@Lehigh.EDU wrote:

> >OK gang -- hate to say it, but everyone is on the wrong track...

>I think that's an understatement!

>I don't think most of the group is thinking of the same thing when
>they talk of "proximity" switches. Many seem to remember the old
>attempts at paddles that used hand capacitance.

I have to agree with ya' here, Al.

>I think what was intended was just replacing the mechanical
>contacts with an electronic alternative, called a proximity switch.

You hit the nail on the head, Al!

>These are very common in industrial machinery and simply detect
>the presence of a metal part in front of the sensor. Most of these
>operate with an oscillator and coil or coils and detect a change
>when the metal comes into the open area off the end of the coil.
>However, these have been refined and perfected into extremely
>small and simple-to-use packages. Some may also be Hall-effect
>devices.

I've used both types in the oil biz, Al, with great results. How
expensive are the smaller, up-to-date devices? Would they
be practical (cost wise) as contact replacements?

>There is no need to reinvent the wheel if someone wants to play
>around with these in a paddle. They are available commercially and
>come in an amazing array of sizes and shapes. Most of the ones I
>run into at work are 50-250 vac with triac outputs, but low-voltage
>DC ones are common too.

Cool. THIS is the info I have been looking for! Quit being a qrp-l lurker
and speak up more often, Al. :^) :^)

>Someone else mentioned using light and IR LEDS and it somehow
>got twisted into lasers. Actually, this is also a possibility and there
>are many light-operated switch modules that could be adapted off-
>the-shelf to try out such an idea. Fiber-optic guides are commonly
>used to get the light into and out of tight places (such as a gap in a
>paddle mechanism) and again are available in astonishingly small
>and specialized sizes and shapes.

I thought about the fiber-optic route, but I decided that it would
probably be too expensive. The IR transmit & receive pair looked
kinda' promissing, but I didn't feel like messing around with
alignment and mounting difficulties, not to mention cleaning the
things, too. We've never had too much luck in the oil biz when
using them on a drilling rig (too dirty an environment).

>If you'd like to look into some of these, look for some of the
>companies that make these devices, look for Banner,
>Telemecanique, Turck, Cutler-Hammer and similiar companies.
>I'm sure you will find at least some distributors with web pages that
>will give you an idea of what's available.

Again -- thanks for the info!

>I have a set of small DC proximity switches that I saved when they
>were removed from some equipment where I worked. (All our
>controls work on 110 vac - they replaced the DC switches with
>different ones.) I have been meaning to try them in a paddle
>arrangement, but haven't gotten around to it yet. Maybe with this
>discussion, I'll give it a try.

Please fill us in on your progress if you decide to give it a shot, Al.

>Just as an idea, the ends of these proxes are so small that I could
>probably take the threaded contact piece out of the posts on a
>Bencher paddle and use the post as a holder for them. Since they
>are DC, they should be a cinch to interface to a rig, just add at
>most a power source and maybe a transistor switch.

>These have no adjustment, other than moving them closer or farther
>from the metal item they meet. The smaller the prox switch, the
>smaller the zone they can be activated in. In a paddle, you could
>leave the existing contact in place as a stop for the paddle travel,
>and bring the prox switch into place so that it doesn't activate until
>it is almost closed. The good thing about a prox switch is it doesn't
>rely on a mechanical operation and if you press the paddle in a
>way that would almost, not quite make a good contact closure with
>the standard contact, the prox switch probably would not care and
>work fine. How this affects the "feel" of the paddles remains to be
>seen!

I agree with leaving the original contacts in and leaving the "feel"
in of the original keying system. I would think that with proper
design and a bunch of "playing around with the adjustments,"
you'd be able to something that works just as good as the
original and never have to worry about contact cleaning and
pitting again.

Thanks for the input, Al, and speak up more often! :^)

72/73,

Randy Jouett, AB5NI

Date: Thu, 2 Sep 1999 23:19:09 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Kory Hamzeh <kory@avatar.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [49218] RE: USB or LSB?
Message-ID: <Pine.GS0.4.10.9909022312120.18834-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 2 Sep 1999, Kory Hamzeh wrote:

>
> That's what I was told, so I decided to give it a try (after owning the MP
> for about 3 years!). I started in LSB mode and centered a CW signal in my
> band pass, then I hit the CW button again to switch to USB and I could not
> hear anything. Monte, have you tried this?? What could I be doing wrong?

Hi Kory,

The way to check to see if you are "zero beat" with a 1000MP is to switch back and forth between the two sidebands. When you are right on the other station there will not be any change in tones.

If you are not hearing one try this:

Be sure all the IF shift and Width controls are centered. EDSP filters OFF. Use your narrow IF filter, 250 hz if you have it.

Tune the sig to where you think it's centered. Now change the sideband and move the main tuning until you hear it again. Try to move the tone around as you switch between the two sidebands until the tone doesn't change.

It might help to turn the EDSP filter on and set it to 60 hz. Tune the sig in with this narrow filter in place. Then change sidebands. If you don't hear it turn the EDSP off again and do as above.

If you can't get the tone set, using the main tuning dial, to not change when changing sidebands something is out of alignment.

Try that and let me know what you find.

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....

....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Thu, 2 Sep 1999 23:39:04 -0700
From: "Dave Fifield" <fifield@pacbell.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [49219] Antenna Traps
Message-ID: <00aa01bef5d7\$048436e0\$0100a8c0@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have the following that are taking up space in my workshop - please take them off my hands...

Brand new pair of Cushcraft "T6" HF antenna traps.
You pay the shipping only (\$3.20 by priority mail I suspect)

Dave Fifield, AD6A

P.S. My first attempt to get rid of these used the word "free" in the first line, so the email got hoarked by the list spam catcher!

Date: Fri, 3 Sep 1999 02:48:03 -0400
From: "J. Ervin Bates" <w8erv@msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [49220] FS: Laptop Computer, 20A Supply
Message-ID: <00a501bef5d8\$466640c0\$6e45fed0@ervbilt525>

Well, I finally sold the miscellaneous items I had posted, now for the big ones! I am aiming for an ICOM 706 MK2G or MK2, so here ya go:

I have for sale...

A Compaq Presario 1622, 233MHz, 32mb RAM, 24x CD ROM, 56K modem, Win98, Carrying Case, 12 inverter, power supply and two years of the three year "bumper to bumper" warranty. This machine is in A1 condition, near 10 and ready to go for your contesting pleasure.
I am asking \$1100 (firm) for it, or will consider a trade for the 706 MK2, or MK2 G (will toss in some cash to make up the difference, if needed on the MK2 G).

I also have an Astron 20A supply, first \$60 takes it, but you pay shipping if you aren't in the immediate area (within 20 miles).

Please reply directly with any questions and as always.....

72/73,
Erv W8ERV

Date: Fri, 3 Sep 1999 01:47:19 -0500
From: "Randy Jouett" <rules@bellsouth.net>
To: <plburbank@kih.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [49221] Re: Proximity Switch Keyer
Message-ID: <011401bef5d9\$74dbc1e0\$41e498cd@spock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----
From: Pete Burbank <plburbank@kih.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Friday, September 03, 1999 12:07 AM
Subject: Re: Proximity Switch Keyer

Hi Pete,

>Gosh, maybe we could work in a bowling ball dropped onto a cat's
>tail and detect the yowl etc.

That could work! How about sending CW with nuclear explosions?
You should be able to copy that kinda' code on other planets! :^).

>About every 6 months I run a matchbook cover saturated with contact
>cleaner thru my homebrew keyer contacts. It works pretty well because
>I live in Kentucky and can only think somewhere between 20 and 30 WPM.

We are all doing this, Pete. That's not the point. The point is: it would be

nice if we could weld/glue our desired contact spacing in place and never have to worry about that and contact cleaning again. Ever.

>From your remark, I take it that you think that we are trying to re-invent the wheel? If everyone thought that way, we'd still be driving model A Fords -- would we even have cars, or even the wheel? -- using 807's for finals, and only using CW. Why not just call us "stupid" from the sidelines (not here on qrp-l) and scratch your head in private? Why try to stifle creativity, be it a major-loser idea or not? At least we are thinking and trying to be creative, which is experiencing life to it's utmost, IMHO. At least we're not sitting on the side of the road watching cars go by, blowing dust in our faces and eating dirt. I think that just about any form of thinking and creativity should be commended. Don't you?

I don't mean any of this to be a flame, just a "why even mention this" kinda' thing, my friend. In other words, is mentioning your view productive and putting you in the lime-light of others? If not, why even bring it up? Hmmm. Sounds like an "I told you so, and I'm smarter than you" on your part, Pete, and that isn't productive, especially when it concerns you.

I wouldn't have mentioned this publicly here on qrp-l, but I don't take too kindly to being called "dumb" in public.

See ya' later, and have a nice day!

72/73,

Randy Jouett, AB5NI

Date: Fri, 3 Sep 1999 01:52:30 -0500
From: "Randy Jouett" <rules@bellsouth.net>
To: <km6wt@netzero.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [49222] Re: USB/LSB on CW
Message-ID: <011501bef5d9\$75e71760\$41e498cd@spock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Mont Pierce, KM6WT <km6wt@netzero.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Friday, September 03, 1999 12:58 AM
Subject: RE: USB/LSB on CW

>Actually, this is rather interesting.

>

>What do you get when you transmit on USB/LSB but instead of a microphone
>you feed a tone oscillator into the mic input?

With a properly adjusted, well-working balanced modulator, you
get CW, of course :^).

72/73,

Randy Jouett, AB5NI

Date: Fri, 3 Sep 1999 00:06:41 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Bob Patten <n4bp@bc.seflin.org>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [49223] Re: USB or LSB?
Message-ID: <Pine.GS0.4.10.9909030005000.19033-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 2 Sep 1999, Bob Patten wrote:

> On Thu, 2 Sep 1999, Art Neilson, KH7PZ wrote:

> >

> > Jeez Ron, you'd think you were on some QRO dxer reflector not qrp-1.

> > Are you sure you're posting to the right group???

> >

> Seems appropriate to me. Without reservation, I'd say the FT-1000MP is
> the finest QRP rig in existance!

In the 46+ years I've been hamming I've used a lot of rigs, both QRP
and QRO and I agree with Bob 100%.

Not light, not cheap, but good!

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Fri, 03 Sep 1999 00:14:25 -0700
From: Phil Wheeler <w7ox@mindspring.com>
To: ku7y@dri.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [49224] Re: USB or LSB?
Message-ID: <37CF7551.46AE8F40@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Monte Stark wrote:

>
> In the 46+ years I've been hamming I've used a lot of rigs, both QRP
> and QRO and I agree with Bob 100%.
>
> Not light, not cheap, but good!
>

Ron,

The conclusion is similar for the Elecraft K2: "Light, not all that expensive (but not "cheap"), but good/excellent"

46+ years here, too .. started as W7UOX in 1953. The K2 is the best receiver I've used. Built it myself, but it looks/feels commercial.

You need one!

Phil W7OX

Date: Fri, 03 Sep 1999 04:04:31 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-l@Lehigh.EDU>
Subject: [49225] Re: Proximity Switch Keyer
Message-ID: <3.0.32.19990903040003.00718b30@kih.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

At 01:47 AM 9/3/99 -0500, you wrote:

>

>-----Original Message-----

>From: Pete Burbank <plburbank@kih.net>

>To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

>Date: Friday, September 03, 1999 12:07 AM

>Subject: Re: Proximity Switch Keyer

>

>

>Hi Pete,

>

>>Gosh, maybe we could work in a bowling ball dropped onto a cats

>>tail and detect the yowl etc.

>

>

>That could work! How about sending CW with nuclear explosions?

>You should be able to copy that kinda' code on other planets! :^).

>

>>About every 6 months I run a matchbook cover saturated with contact

>>cleaner thru my homebrew keyer contacts. It works pretty well because

>>I live in Kentucky and can only think somewhere between 20 and 30 WPM.

>

>

>

>We are all doing this, Pete. That's not the point. The point is: it would be

>nice if we could weld/glue our desired contact spacing in place and never

>have to worry about that and contact cleaning again. Ever.

>

>

>>From your remark, I take it that you think that we are trying to re-invent

>the wheel? If everyone thought that way, we'd still be driving model A

>Fords -- would we even have cars, or even the wheel? -- using 807's

>for finals, and only using CW. Why not just call us "stupid" from the

>sidelines (not here on qrp-1) and scratch your head in private? Why

>try to stifle creativity, be it a major-loser idea or not? At least we are

>thinking and trying to be creative, which is experiencing life to it's

>utmost, IMHO. At least we're not sitting on the side of the road watching

>cars go by, blowing dust in our faces and eating dirt. I think that just

>about any form of thinking and creativity should be commended.

>Don't you?

>

>I don't mean any of this to be a flame, just a "why even mention this"

>kinda' thing, my friend. In other words, is mentioning your view

>productive and putting you in the lime-light of others? If not, why

>even bring it up? Hmmm. Sounds like an "I told you so, and I'm

>smarter than you" on your part, Pete, and that isn't productive,

Date: Fri, 3 Sep 1999 18:55:28 +1000
From: Daniel Bartlett <ausham@rocknet.net.au>
To: <qrp-1@Lehigh.EDU>
Subject: [49227] 6m Receiver Kit - Followup and mods.
Message-ID: <01BEF63D.E461B880@rocknet>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

G'day all!

I have been requested to list the mods that I made to the 6m kit that I =
recently built.
They are all listed below - from extremely simple to, well, a little bit =
harder - although not in any order! :-)=20

Changed the speaker / headphone socket from 2.5mm - 3.5mm (not much of a =
mod, but I couldn't find a 2.5mm plug and it annoyed me greatly!)

Increased the resistance across the squelch pot, because I found that I =
needed to wind the pot almost fully clockwise to squelch out the =
receiver. Now it squelches out at about 2/3 of the way 'round the pot.

Added a no-squelch switch (to bypass the pot if necessary).

Added a timer, which turns the receiver off 2 hours after switch on, =
with a simple bypass switch arrangement. (The receiver is powered by a =
9v battery). I created this out of a 556 (That's 1/2 a 555) timer, on a =
piece of vero (strip) board. (I couldn't find one 555 in the whole shack =
- until I'd finished!)

Added an external power supply socket (DC type).

Changed the antenna socket from RCA to BNC (for the same reason as the =
headphone socket!)

Added a power on led - with a little sofistification! The led is a =
bi-colour (red/green) type, and added with an LM386 op-amp IC, along =
with a few other parts, makes quite a good voltage indicator! I have set =
it to go red (low volts), when the battery voltage gets below around =
7.2v, and not to go green again until the voltage is above 8.2v (1 volt =
hysteresis).

I am currently designing a digital display for it, by modifying a =
digital voltmeter (which uses 7-segment displays) - Saturday's project!
My next kit will be either an aircraft converter or a 40m receiver. =
Might have a think about that one...

That's about all from me - thanks for taking the time to read this =
email.

Dan

(By the way - could you please check out my website and sign the =
guestbook? It would be much appreciated!)

73 es 72 de Daniel Bartlett, VK4HDB=20
<http://www.qsl.net/vk4hdb/index.htm>
ausham@rocknet.net.au
1 Goodson Rd, Bouldercombe, Queensland 4702, AUSTRALIA
+61 07 4934 0389=20
QRP-L #2002
=00=00

Date: Fri, 3 Sep 1999 18:58:42 +1000
From: Daniel Bartlett <ausham@rocknet.net.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [49228] What are boatanchors?
Message-ID: <01BEF63E.60F31060@rocknet>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

G'day everyone!

I have seen the term 'boatanchors' come up a lot in US websites, =
newsgroups and discussion lists. I, however, have never heard of the =
term here in Oz, and I was wondering if someone could clear it up for =
me.

Thanks in advance! - Dan :-)

(PS - If you haven't=20

73 es 72 de Daniel Bartlett, VK4HDB=20
<http://www.qsl.net/vk4hdb/index.htm>
ausham@rocknet.net.au
1 Goodson Rd, Bouldercombe, Queensland 4702, AUSTRALIA
+61 07 4934 0389=20
QRP-L #2002

Date: Fri, 03 Sep 1999 11:46:57 +0200
From: Eim Mulder <mulder@nfra.nl>

To: qrp-1@Lehigh.EDU
Subject: [49229] help
Message-ID: <s7cfb546.086@server4.nfra.nl>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: quoted-printable
Content-Disposition: inline

How can I unsubscribe and later on subscribe again via another provider.

Eim

Date: Fri, 3 Sep 1999 06:46:11 -0400
From: "dor" <elbc@pivot.net>
To: <radioham@erols.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [49230] Re: New QRPp First
Message-ID: <004501bef5f9\$8b20d880\$0e10a1d0@mine1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Great Going Larry !!!!!

----- Original Message -----

From: <radioham@erols.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Thursday, September 02, 1999 11:30 PM
Subject: New QRPp First

> With all this talk about milliwatting, I wish to announce that I just
> issued Worked All 50 States All 1000 Mile Per Watt Contacts Award #1. Of
> the 429 WAS awards issued by QRP ARCI, Larry Cahoon, WD3P, Upper Marlboro,
> MD, has earned the first one by working all states at 1,000 miles per watt
> or more. His best of the 50 states was FL at a whopping 367,200 miles per
> watt. He did that with 2 mw. His highest power used in this
> accomplishment was 500 mw. Over the years there have been others who have
> done WAS at less than one watt, but the records I have indicate that no
one
> has done it completely at 500 mw or less.
>
> Way to go, Larry. We are proud of you.
>
> This is a goal to shoot for - who will be number 2????

>
> As you may have noted on QRP-L, Jim Hale requested that we issue DXCC
> awards for less than 100 countries. Milestones of 25, 50 and 75 countries
> would entitle one to an award. This would be similar to WAS, where we
> issue awards for 20, 30, 40 and 50 states. I have no objection to this,
> though the QRP ARCI Board will have to make the final decision. I do want
> to note, however, that the award certificate will be resissued at each
> milestone - we do not have endorsement stickers. That is how it is done
> for WAS.
>
> If any of you have suggestions for new operating awards please let me
know.
> Full details of what is currently available are at
<http://www.qrparci.org>.
>
> 72/73,
>
> Steve, N4EUK
> QRP ARCI Awards Manager
> Reston, VA
>

Date: Fri, 03 Sep 1999 06:56:41 -0400
From: Rick Sealey <rsealey@InfoAve.Net>
To: ccart@phideaux.com
Cc: qrp-l@lehigh.edu
Subject: [49231] Re: Lightening and Static Protection of Verticals
Message-ID: <4.1.19990903064916.00955f00@mail.infoave.net>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

At 11:23 AM 09/02/1999 -0400, you wrote:

>On Thu, 2 Sep 1999, Dan W. Dooley wrote:

>
>> protection - a quick DC path to ground at the antenna, and a good way of
>
>Can't help much with choke or grounding, but from the little I've read
>lighting is not a DC event. One site that took a hit measured the
>distance between the blown out burn holes in the coax, and worked out that
>there is a *LOT* of energy up to at least 300MHz. I like my lightning
>protection method, throw the cables outside, hide, come out after it's all
>over and see what's left :)

>
>-- Chris Cartwright, Technical Engineer | ccart@phideaux.com --
>-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --

>-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
>

Hi Chris,

Wouldn't a DC path allow the bleeding off of static charges that might be a precursor to a lightning strike?

Rick - W4SEA

Date: Fri, 03 Sep 1999 07:36:20 EDT
From: "Kent, AE4Y" <ae4y@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [49232] Re: What are boatanchors?
Message-ID: <19990903113620.80126.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

The term "boat anchors" is a tongue-in-cheek reference to older model radios, i.e. Hammarlund, Hallicrafters, etc; especially those using vacuum tubes (radios that glow in the dark). The reference derives from the contention by some that, since the advent of solid-state technology, older rigs aren't good for much other than to be used as boat anchors.

Kent, AE4Y

QRP ARCI #4175 QRP-L #1844
Visit: <http://www.qsl.net/ae4y/>

>From: Daniel Bartlett <ausham@rocknet.net.au>
>Reply-To: ausham@rocknet.net.au
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: What are boatanchors?
>Date: Fri, 3 Sep 1999 18:58:42 +1000
>
>G'day everyone!
>
>I have seen the term 'boatanchors' come up a lot in US websites, newsgroups
>and discussion lists. I, however, have never heard of the term here in Oz,
>and I was wondering if someone could clear it up for me.
>
>Thanks in advance! - Dan :-)
>
>(PS - If you haven't

>
>73 es 72 de Daniel Bartlett, VK4HDB
><http://www.qsl.net/vk4hdb/index.htm>
>ausham@rocknet.net.au
>1 Goodson Rd, Bouldercombe, Queensland 4702, AUSTRALIA
>+61 07 4934 0389
>QRP-L #2002
>
>
>

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Fri, 3 Sep 1999 07:30:53 -0700
From: "Mark Paley" <mpaley@wcnet.org>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [49233] re:freeware logging program
Message-ID: <00a101bef618\$f1fb9f80\$3bab85cd@mpaley>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for all of the responses. I chose N3FJP's Amateur Contact Log
program. It's easy to use, the screens aren't too "busy", and it works!
Mark Paley--KF8KL--
K2 #250
mpaley@wcnet.org
<http://www.wcnet.org/~mpaley>

Date: Fri, 03 Sep 1999 07:38:59
From: Robert McConnell <rmcconne@lightlink.com>
To: km6wt@netzero.net
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [49234] RE: USB/LSB on CW
Message-ID: <3.0.6.16.19990903073859.086f9c64@pop.lightlink.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

If it's a single tone (usually 1KHz) gated from a hand key, you get what looks like CW. You tune the carrier 1KHz lower than the frequency you want. If it's two tones switched from a teletype keyboard, you get an AFSK signal that is indistinguishable from FSK. Of course, both require a good transmitter and a well tuned final and antenna combination so there are no harmonics or residual carrier around to give you away.

FWIW, in the '70s when I was in the Navy, almost all CW and FSK was generated this way. The tones were generated in a central site and piped out to one or more transmitters via phone trunks. It was not always easy to get the 40KW transmitters at Lualualei matched exactly to some of those big rhombic antennae.

Monsoon season was the worst. That was definitely not QRP.

Bob McConnell
N2SPP

At 10:57 PM 9/2/99 -0700, Mont Pierce, KM6WT wrote:
>Actually, this is rather interesting.
>
>What do you get when you transmit on USB/LSB but instead of a microphone
>you feed a tone oscillator into the mic input?
>
>mont/km6wt
>

Date: Fri, 3 Sep 1999 07:43:41 -0400
From: "dor" <elbc@pivot.net>
To: <ae4y@hotmail.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [49235] Re: What are boatanchors?
Message-ID: <001501bef601\$92a8f8a0\$fc10a1d0@mine1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Also the fact that many of the beasts weighed in at hefty levels.. nearing 100 lbs.

----- Original Message -----

From: Kent, AE4Y <ae4y@hotmail.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Friday, September 03, 1999 7:36 AM
Subject: Re: What are boatanchors?

> The term "boat anchors" is a tongue-in-cheek reference to older model
> radios, i.e. Hammarlund, Hallicrafters, etc; especially those using vacuum
> tubes (radios that glow in the dark). The reference derives from the
> contention by some that, since the advent of solid-state technology, older
> rigs aren't good for much other than to be used as boat anchors.

>

> Kent, AE4Y

>

> QRP ARCI #4175 QRP-L #1844

> Visit: <http://www.qsl.net/ae4y/>

>

>

> >From: Daniel Bartlett <ausham@rocknet.net.au>

> >Reply-To: ausham@rocknet.net.au

> >To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

> >Subject: What are boatanchors?

> >Date: Fri, 3 Sep 1999 18:58:42 +1000

> >

> >G'day everyone!

> >

> >I have seen the term 'boatanchors' come up a lot in US websites,
newsgroups

> >and discussion lists. I, however, have never heard of the term here in
Oz,

> >and I was wondering if someone could clear it up for me.

> >

> >Thanks in advance! - Dan :-)

> >

> >(PS - If you haven't

> >

> >73 es 72 de Daniel Bartlett, VK4HDB

> ><http://www.qsl.net/vk4hdb/index.htm>

> >ausham@rocknet.net.au

> >1 Goodson Rd, Bouldercombe, Queensland 4702, AUSTRALIA

> >+61 07 4934 0389

> >QRP-L #2002

> >

> >

> >

>

>

>

>
>
>
>
>
>
> -----
> Get Your Private, Free Email at <http://www.hotmail.com>
>

Date: Fri, 3 Sep 1999 06:49:09 -0500 (CDT)
From: ac5ez@webtv.net (Larry B)
To: qrp-1@lehigh.EDU
Subject: [49236] Re: OT: 2+2 <>4
Message-ID: <9802-37CFB5B5-7351@postoffice-112.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

Jim

Sounds good. Dont get trapped on 2 meters . Ole time hams <g> started out on HF and then later got a 2m rig so they could tell their buddies about a Dx station on 15m (for example). Now days they start out on 2 m and many stay there. Its interesting to hear them on 2m for three or four hours a day complaining that the dont have the time to learn cw <g>
>

Date: Fri, 3 Sep 1999 07:47:15 -0500
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <elbc@pivot.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [49237] RE: What are boatanchors?
Message-ID: <000c01bef60a\$72dca040\$04987b7b@dooleydw>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ah, but those 'boat anchors' are fetching a pretty penny these days, and they sound awfully nice on the air as well, espically on AM!

I still use my Drake "4" line as my primary equipment.

Besides, they have "character", which... never mind, this is making me sound old <grin>

Dan WB5TKA

> -----Original Message-----

> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
> dor

> Sent: Friday, September 03, 1999 6:44 AM

> To: Low Power Amateur Radio Discussion

> Subject: Re: What are boatanchors?

>

>

> Also the fact that many of the beasts weighed in at hefty

> levels.. nearing

> 100 lbs.

>

> ----- Original Message -----

> From: Kent, AE4Y <ae4y@hotmail.com>

> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

> Sent: Friday, September 03, 1999 7:36 AM

> Subject: Re: What are boatanchors?

>

>

> > The term "boat anchors" is a tongue-in-cheek reference to older model

> > radios, i.e. Hammarlund, Hallicrafters, etc; especially those

> > using vacuum

> > tubes (radios that glow in the dark). The reference derives from the

> > contention by some that, since the advent of solid-state

> > technology, older

> > rigs aren't good for much other than to be used as boat anchors.

Date: Fri, 3 Sep 1999 08:46:19 -0400

From: "Mike Yetsko" <myetsko@insydesw.com>

To: <rsealey@InfoAve.Net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [49238] Re: Lightning and Static Protection of Verticals

Message-ID: <009001bef60a\$5a649680\$9001a8c0@mikey.wn.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

My understanding is that lightning is not a DC or AC event. But a very complex event, with new 'properties' discovered every day.

But basically, lightning first makes little trailers that wind their way between the potential. As one of these nears the ground, there is another trailer (I forget the formal name) that starts in the other direction. If the two meet, then a strike occurs.

The strike is a pluse event with rapid rise time. Voltages can be in the multiple millions of volts, with currents in the hundreds of thousands of amps, tearing the air apart with temeratures approaching 50,000 degrees. It's so violent that the path may actually become non-conductive, and the lightning 'flickers' or makes multiple strikes as it reroutes. I heard somewhere that the average strike make 4 hits, but some goes as high as 30 or more.

Rise times are so incredibly fast that the bends in ground wires can look like high impedance bumps.

Lightning rods do two things. One is they 'drain off' the potential, lessening the probabilty of a strike. The other is that when a strike occurs, they can shunt the energy to ground.

As far as I'm concerned, it's still partly black magic, and I don't think that much more progress has been made in the area of protection since Ben Franklin's days. Just some efficiency improvements in how the strikes are handled.

Back in the 60's, the University of PA did experiments simulating lighting. Prior to that, experimenters were trying to do this with millions of volts and limited current, and didn't understand why their tests were that indicitive of lightning behavior. But UofPA experimentors tried a different approach. They kept the voltage down, but boosted current into the hundreds of thousand amp area, and finally started to see things like logs splintering and bark blown off. Now they realize they can test specific aspects of lighting, but not the whole package.

I saw some specials on lightning, and how NASA is paranoid of it with the shuttle. Probably going back to Apollo 12 which got hit on launch. There's also a group in Florida that has had excellent results inducing strikes using model rockets that 'spool' a tail of wire into storms. Interesting idea...

Mike Yetsko
N1DVJ

Date: Fri, 3 Sep 1999 08:07:22 -0500
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <aa4xx@ipass.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [49239] RE: Super VX0 Question
Message-ID: <000d01bef60d\$42a9bae0\$04987b7b@dooleydw>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well I'll be! Just last night I was cataloging some old QST articles and ran across and pulled out for closer reading the articles pertaining to that receiver (Aug 92, Jan 93). Sounded just like what I need to start collecting parts for. I like your idea of mixing to enhance stability. Wonder about possibility of added (mixing) noise though, as opposed to a straight VFO or VX0?

Dan WB5TKA

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> Paul Stroud
> Sent: Thursday, September 02, 1999 8:35 PM
> To: Low Power Amateur Radio Discussion
> Subject: Super VX0 Question
>
>
> Hi Gang,
>
> I have recently built the KK7B single signal direct conversion receiver,
> better known as "R2," and it's performance is quite good.
>
> For the L0, I decided to use a VX0 to ensure good frequency stability.
> For 40M, I selected two inexpensive microprocessor xtals--one at 11.046
> MHz and the other at 4.000 MHz. Mixing these two fellers with a NE602
> followed by a 40M BPF provided the desired output of 7.036-7.046 as the
> 11.046 MHz rock was armtwisted.
>
> Desiring more than 10 KHz of swing, I followed the advice of the "Super
> VX0" gurus by simply soldering a second 11.046 Xtal in parallel with the
> original one. Then the VX0 range increased to 34 KHz, providing the
> range of 7012-7046 KHz, again with impressive stability.
>

> My question is, if one xtal is good, and two parallel xtals are super,
> might an additional xtal further extend the VX0 while maintaining
> stability? I don't have a xtal on hand to try this idea, but I'm sure
> some of you guys have tried this. I might also mention that increasing
> the VX0 series inductance (15 uH) and/or capacitance does not increase
> the swing beyond the present 34 KHz...
>
> Thanks for any comments es 72, Paul AA4XX
>

Date: Fri, 03 Sep 1999 09:18:33 -0400
From: Scott Howell <whowell@hq.nasa.gov>
To: cw@qth.net
Cc: qrp-l@lehigh.edu
Subject: [49240] need pics immediately
Message-ID: <3.0.5.32.19990903091833.007f4420@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

good news folks! looks as though that the handkey pin project is not dead,
but now once more movin' ahead.
I found a new vendor who is very intrested in working with me on
devellopping this pin. Yes, for those of you who forgot or are new.
A handkey tie tac, tie bar (possible), or lapell pin. Yes, a black enamled
background shape in oval with antique brass handkey on it.
Either will be top down view or side view and please imput much
appreciated. Remember you guys who can see know best what something would
look than us who don't<g>. You don't want me making that decition although
a top down view probably would be nice. No its not a functioning key, but a
2 dimentional replica you can wear.
I will have to renagociate the prices, but may be a little less expensive.
I do appologise to those of you who signed on for the deal, but the prior
vendor was not returning calls and never responded to E-mail. So, thanks to
Nancy of Fists, I got a new vendor and they are really intrested.
So, how you can help. I need pics of an older key from all angles. If I get
really desparate, I'll send them an old J38 if needed. In any case if you
know of a site that has these pics and they are named in a manner to
clearly indicate they are of the same key and easily downloaded, let me know.
I can't view the pics so need someone to help with this.
I need them as soon as possible. I have the vendor on stand-bye waiting for
the info so we can proceed.

tia es 73 de Scott/n3byy

btw, promise guys I'll get this puppy rolling just as fast as possible.

This is the best news yet.

Date: Fri, 3 Sep 1999 09:37:48 -0700
From: "Mark Paley" <mpaley@wcnet.org>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [49241] logging program
Message-ID: <003701bef62a\$a963c560\$deab85cd@mpaley>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry, I forgot to include the URL for the freeware logging program that I enquired about. The program is N3FJP's Amateur Contact Logging program and the URL is <http://members.aol.com/snkdavis/page1.html>

Mark Paley--KF8KL--
K2 #250
mpaley@wcnet.org
<http://www.wcnet.org/~mpaley>

Date: Fri, 3 Sep 1999 08:49:12 -0500
From: Karl.Kanalz@optelinc.com
To: ausham@rocknet.net.au
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [49242] Re: What are boatanchors?
Message-ID: <862567E1.004C701A.00@hdqsmtp01.optelinc.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Boy! You DO live in "Oz", don't you, Dan!

"Boat Anchor", in ham radio terms, refers (usually) to a piece of equipment that's physically large and typically heavy, compared to more modern equipment.

The "equipment", by the way, doesn't HAVE to be a ham transmitter or receiver -- the boat anchor appellation could also refer to a piece of test equipment (like some of those huge H-P or Marconi signal

generators of yesteryear).

Be ever mindful, however, that just because a piece of equipment might be termed a "boat anchor" doesn't mean it can't be functional and serve a useful purpose in your ham shack or workshop!

Karl K - W8TIF
McKinney, Texas
Owner of LOTS of boat anchors!

Daniel Bartlett <ausham@rocknet.net.au> on 09/03/99 03:58:42 AM

Please respond to ausham@rocknet.net.au

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
cc: (bcc: Karl Kanalz/hdq/Optel)

Subject: What are boatanchors?

G'day everyone!

I have seen the term 'boatanchors' come up a lot in US websites, newsgroups and discussion lists. I, however, have never heard of the term here in Oz, and I was wondering if someone could clear it up for me.

Thanks in advance! - Dan :-)

(PS - If you haven't

73 es 72 de Daniel Bartlett, VK4HDB
<http://www.qsl.net/vk4hdb/index.htm>
ausham@rocknet.net.au
1 Goodson Rd, Bouldercombe, Queensland 4702, AUSTRALIA
+61 07 4934 0389
QRP-L #2002

Date: Fri, 03 Sep 1999 09:38:20 -0400
From: Russ Hines <radioruss@fuse.net>
To: fantbb@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [49243] Re: Want to swap Solid State Design for ?
Message-ID: <37CFCF4C.93DA8599@fuse.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Jeff:

Jeff wrote:

>
> I really dont use Solid State Design as it is a
> little outdated. So Id like to swap it for
> something I dont have. Make an offer!

I have no offer for you, Jeff, except a suggestion that you hold onto SSD. While now-obsolete devices (mostly IC's) may be used in the specific projects, they are great examples of "how" and "why" various designs work as they do. After all, that's why they're in the book. And I think the transistor model and explanation presented in Chapter One is one of the best I've seen.

I consider SSD to be a classic reference. The many good designs there can still provide "brain fodder" for anyone's design efforts, I'll bet even yours. Anyone can copy a circuit, and while that's a great way to learn, SSD can give you the foundation for understanding so that you can design your own circuits. My assumption is that's why you bought Solid State Design in the first place. Not a bad deal for a 22+ year-old book.

Have fun.

73,
Russ
WB8ZCC

Date: Fri, 03 Sep 1999 10:00:52 -0400
From: Jim or Jade Seeber <kw3u@warwick.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [49244] Trade RF-1
Message-ID: <37CFD494.865484BA@warwick.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=x-user-defined
Content-Transfer-Encoding: 8bit

Hi gang;

I've decided I could use a freq counter much more than my trusty Autek RF-1 hf analyzer, so how about a trade? Its in like new condx, with all paperwork and stuff that came in the box.

Looking for a handheld type lcd readout with telescoping ant.
Tnx and pls e-mail direct. Jim KW3U

Date: Fri, 03 Sep 1999 07:04:24 -0700
From: Bill Jones <kd7s@psnw.com>
To: qrp-l@lehigh.edu
Subject: [49245] Re: QRP AField in a few weeks
Message-ID: <37CFD568.26D06D5C@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey guys, count me in. I'm heading for the high country again --- the central California Sierra. I will spend four days among the Giant Sequoias, Golden Mantel chipmunks and maybe even a bear or two.

Thanks to what I've learned from L.B. Cebik's web site I should have a big, Lazy H high in the trees this year, so listen for a killer signal from my Argonaut 509.

--
=====
Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s>
=====

Date: Fri, 3 Sep 1999 10:22:14 -0400
From: "Bill Legge, NT1R" <wlegge1@maine.rr.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [49246] FS: Atlas 110 transceiver
Message-ID: <199909031414.KAA29987@proxyb2-atm.maine.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hello,

I have an mint Atlas 110 tranceiver available for \$350 plus shipping. This is the Special version with rit and cw/ssb fliter. It is a qrp rig with a internal p/s. Ade gave it good marks on page 67 of "The Joy of QRP. Bill Legge, NT1R in Yarmouth, ME
QRP-L #912

Date: Fri, 03 Sep 1999 09:33:02 -0700
From: "Jerry Bartachek" <jbartac@max.state.ia.us>
To: qrp-l@Lehigh.EDU
Subject: [49247] QRN & Band Condx
Message-ID: <37CFF83E.4456@max.state.ia.us>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Some recent observations: 90% of my operating time is in the AM before gong to work, about 1130Z to 1245Z. I hear a sound on 30 M like wind blowing on a microphone (NOT an intentional slam at SSB operation), which gives me a "swooshing" sound in my receiver as I tune below 10.111 MHz. It's very hard to hear thru this QRN, but I notice it is very quiet between 10.131 and 10.139, and there are no digital stations there, but also there are no CW stations there either. I wish more ops would listen up there in the quiet. I ocassionally QSO someone up there and it is QRN/QRM-free bliss. Anyone know if the swoosh is natural phenomena or man-made?

Also I am curious about the QRN on 20 meter CW in the early mornings. Last spring I noted that the loud, steady buzz had very well-defined limits, and often covered from 14.080 Mhz down to about 14.030 Mhz or so. When tuning the band, I can hear the QRN start at a specific place in the band, and it continues throughout a specif range of frequencies. I could only hear activity below the buzz all during spring, and the QRP calling freq was usually totally obliterated. Today I see the ol' buzzer is at 14.020 Mhz and below. Could this be natural QRN? Or is it more likely to be something man-made in my community?

72,

- - -- -- / -- -

| / / | \ | / | / \
| \ | | / | | _ _ |
| _ \ \ | _ / | / _ | _ _ |
/

Jerry L. Bartachek <><
Washington, IA
IA QRP #10
QRP ARCI #5166

Date: Fri, 3 Sep 1999 11:12:46 -0400
From: "Alex Mendelsohn" <ai2q@ispchannel.com>
To: <rmcconne@lightlink.com>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [49248] RE: USB/LSB on CW
Message-ID: <000701bef61e\$c732ce80\$5c32a7d0@mendelsohn.ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

One more word on generating FSK by feeding AFSK into a balanced modulator (audio input/mic. jack): It is essential that the audio be a low-distortion wave, i.e. a sine wave. If it isn't, you'll generate sidebands (and splatter), which is an illegal no-no. There are quite a few such cruddy signals heard these days on the air.

BTW, some Collins gear is designed with a feed of audio into balanced modulators to generate CW for tune-up purposes.

Vy 73, AI2Q, Alex in Kennebunk, Maine .-.-.

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Robert McConnell
> Sent: Friday, September 03, 1999 3:39 AM
> To: Low Power Amateur Radio Discussion
> Subject: RE: USB/LSB on CW
>
>
> If it's a single tone (usually 1KHz) gated from a hand key, you get what
> looks like CW. You tune the carrier 1KHz lower than the frequency
> you want.
> If it's two tones switched from a teletype keyboard, you get an
> AFSK signal
> that is indistinguishable from FSK. Of course, both require a
> good transmitter

> and a well tuned final and antenna combination so there are no
> harmonics or
> residual carrier around to give you away.
>
> FWIW, in the '70s when I was in the Navy, almost all CW and FSK
> was generated
> this way. The tones were generated in a central site and piped
> out to one or
> more transmitters via phone trunks. It was not always easy to get the 40KW
> transmitters at Lualualei matched exactly to some of those big rhombic
> antennae.
> Monsoon season was the worst. That was definitely not QRP.
>
> Bob McConnell
> N2SPP
>
> At 10:57 PM 9/2/99 -0700, Mont Pierce, KM6WT wrote:
> >Actually, this is rather interesting.
> >
> >What do you get when you transmit on USB/LSB but instead of a microphone
> >you feed a tone oscillator into the mic input?
> >
> >mont/km6wt
> >
>
>

Date: Fri, 03 Sep 1999 11:13:25 -0400
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-l@lehigh.edu
Cc: cw@qth.net
Subject: [49249] pics found
Message-ID: <3.0.5.32.19990903111325.008049b0@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

As would be expected, you a message yields success. See the folks on both lists are just great!
I want to thank John J. McDonough/wb8rcr for taking pics of his J38 and sending them along.
If needed I'll tap you guys again if more pics are needed. I don't know what will happen yet, but ay I got a list of folks who were intrested. So, again I'll open the list incase you missed it first go around.
I'll keep everyone posted on any movements. Btw, just as a reminder and for anyone who missed it.

This venture is expressly non-profit. I started this because I wanted a handkey in the form of a tie bar or tie tac. Of course you can't purchase them anywhere I know of so hence the mission to make one.

So, once the pricing and so on is in place, I'll let you guys know. Ay the art work is going to be cheaper from the get go so that is nice.

tnx for the bw es 72/73 de Scott/n3byy

Date: Fri, 3 Sep 1999 08:16:25 -0700
From: Marv Fagenson <k6hcj@juno.com>
To: qrp-1@Lehigh.edu
Cc: k6qwhgra@juno.com, k6viv@cwix.com, wolfie@earthlink.net, shryne@mednet.ucla.edu, swardlaw@earthlink.net
Subject: [49250] 3D2QB
Message-ID: <19990903.081626.-172563.0.k6hcj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I had a nice surprise about 1340Z today. I heard 3D2QB calling CQ on 30M so I called him back.

He gave me a 539. Not too shabby for a 38 Special at 5 watts to a dipole. Not sure if it's Conway reef or just plain old Fiji, hihi.

Enjoy, I did!

Marv Fagenson
k6hcj@Juno.com

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Fri, 03 Sep 1999 10:21:02 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: kc5tja@dolphin.openprojects.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [49251] Re: Capacitance
Message-ID: <37CFE75E.47A9D656@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Yeah! But think how long it would take to discharge!

72/73, George

AMA 98452

R/C since 1964

Amateur Radio W5YR, in the 54th year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

"Samuel A. Falvo II" wrote:

>

> And if that 1F was charged, even with 5V, do you realize just what a
> shocking personality you'd have? ;)

Date: Fri, 3 Sep 1999 08:27:42 -0700 (MST)

From: Chris Trask <ctrask@primenet.com>

To: Brad Mugleston <bmug@gwl.com>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [49252] Re: Soldering Station

Message-ID: <Pine.BSI.3.96.990903082454.10078C-1000000@usr02.primenet.com>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Brad,

Thank you for having posted this earlier. I went down to Tech America (now RadioSchack.com) and bought a second one for myself. I later bought two for work and gave the @#\$\$^&*! Weller to a technician.

I've had the Edsyns on for 10 hours a day, treating it the exact same way as I did the Weller. To date, there is very little oxidation on the tips. The Weller tips by now would have been full encrusted.

Chris

On Fri, 27 Aug 1999, Brad Mugleston wrote:

> TechAmerica has their EDSYN soldering station on sale (\$74.50 lists \$149). The
> only place I've seen EDSYN is at TechAmerica. they have a nice web site but so
> do a lot of people.

>

> Can anyone give me the low down? Are the tips easy to get/replace. Do they
> have lots and lots of accessories - what good is buying something if there
> aren't lots of accessories to buy.

>

> thanks

>

> de KI00T, Brad

Date: Fri, 3 Sep 1999 08:32:58 -0700
From: "Dan Walker" <DWalker@sciconsd.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [49254] RE: PCB software - Thanks!
Message-ID: <008901bef621\$9bf486c0\$030f010a@KiloFox.sandiegozoo.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for all your input! I'm looking at several of these now, and I think I'll use CirCad98. It works well with window, and is easy to use.

73 KE6LBX

Date: Fri, 03 Sep 1999 10:46:41 -0500
From: "Harley L. Miller" <hmliller@sound.net>
To: qrp-1@Lehigh.EDU
Subject: [49255] RE: OT - HTML editor
Message-ID: <37CFED61.4C5E@sound.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My favorite for html editing is NoteTab Pro. It is good for text as well as html, has more features than I can include here. When you are working on a web page you can try it out on your browser by clicking an icon on the toolbar. Available from:

<http://www.notetab.com/ntp.htm>

There's a free trial version, the registered commercial version is \$19.95. Usual disclaimer on connections with the company.

Harley L. Miller hmliller@sound.net
WB0ROQ

Date: Fri, 3 Sep 1999 11:08:26 +0000

From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-1@lehigh.edu
Subject: [49256] Re: Capacitance
Message-ID: <199909031550.LAA15406@moose.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> Except that now 1 F caps and even larger are readily available in the
> catalogs! Low voltage, of course, but can you imagine one F that you can
> hold in one hand?
>

Except these 1F and greater aka "Super caps" aren't exactly like a normal cap, in fact, they are much more like a battery. They are constructed with two layers of activated carbon, seperated by an ion pemerable membrane and a drop or two of sulfuric acid. But unlike a battery, they can be charged and discharged almost indefinatly.

Hence, they have a very high ESR (equivalent series resistance) and only suitable for very low current drain, such as cmos memory back up, which is the application they were invented for. You can often find them in old VCR's.

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Fri, 3 Sep 1999 11:51:10 -0400
From: "J. Ervin Bates" <w8erv@msn.com>
To: <w8erv@msn.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [49257] Re: Laptop Computer, 20A Supply
Message-ID: <005501bef624\$252fd5a0\$cc45fed0@ervbilt525>

The 20A supply is spoken for, the laptop remains available. Thanks es
72/73,
Erv

Date: Fri, 3 Sep 1999 11:19:37 -0500
From: "Randy Jouett" <rules@bellsouth.net>

To: <plburbank@kih.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [49258] Re: Proximity Switch Keyer
Message-ID: <003a01bef628\$5bb70b80\$42e498cd@spock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Pete Burbank <plburbank@kih.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Friday, September 03, 1999 3:03 AM
Subject: Re: Proximity Switch Keyer

Hi Pete,

>Sorry I made you angry Randy and I admire your creative thinking.
>As a tech I have worked on 8 jillion things and admire simplicity.
>Maybe we can agree to disagree.

You really didn't make me angry, Pete. I admire simplicity myself -- who doesn't? -- and I'm thinking along the lines of "a slight bit of complexity for care-free operation." Maybe I'm not thinking correctly here, but I've always been one that looks at something and says, "I wonder how that thing can be improved?" This probably comes from working in engineering firms for 20 years, or maybe it's just the way my brain operates, I guess. Probably a little bit of both. (Shrug.) I am a member in good standing with Over Analyzers Anonymous (a group we created in Houston), and I'm the current Prez, btw :^) :^). Maybe we should turn it into a full-blown, real outfit, complete with non-profit status and such? :^) :^). Might even give Mensa a run for its money! :^).

72/73,

Randy Jouett, AB5NI

72/73,

Randy Jouett, AB5NI

P.S.

I agree that we disagree. :^)

Date: Fri, 3 Sep 1999 09:29:36 -0700
From: Wayne Burdick <n6kr@elecraft.com>
To: ki6ds@dpol.k12.ca.us
Cc: qrp-1@lehigh.edu
Subject: [49259] cabinet screws on K2
Message-ID: <v03102809b3f5a65d32b9@[206.169.248.31]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Doug,

You're still the only person in the world who doesn't like the K2 cabinet screws. But just to show we're open-minded, we'll be offering a limited-edition "KI6DS K2" that includes flat-heads. (When I say "limited," I really mean it: only one of these will be sold, and you get to counter-sink the holes yourself :)

73,
Wayne

Date: Fri, 3 Sep 1999 09:30:00 -0700
From: Dave Barrett <DBarrett@creo.com>
To: "'n6kr@elecraft.com'" <n6kr@elecraft.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [49260] RE: cabinet screws on K2
Message-ID: <CE0A40BFE0CDD111A2B800A0C99B83EB01313B58@msgcreo2.creo.bc.ca>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hey Doug,

If you want aircraft quality c/sunk Allen socket head screws in stainless or black let me know qty.....

Dave (VE7PCC :-)

-----Original Message-----

From: Wayne Burdick [mailto:n6kr@elecraft.com]

Sent: Friday, 03 September, 1999 9:30 AM

To: Low Power Amateur Radio Discussion

Subject: cabinet screws on K2

Hi Doug,

You're still the only person in the world who doesn't like the K2 cabinet screws. But just to show we're open-minded, we'll be offering a limited-edition "KI6DS K2" that includes flat-heads. (When I say "limited," I really mean it: only one of these will be sold, and you get to counter-sink the holes yourself :)

73,
Wayne

Date: Fri, 3 Sep 1999 09:40:59 -0700

From: "Michael A. Gipe" <mgipe@reliablemeters.com>

To: <n6kr@elecraft.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [49261] RE: cabinet screws on K2

Message-ID: <NDBBLJFDGLBGFJB0GNElKELBCBAA.mgipe@reliablemeters.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Now, THAT'S customer service!

Mike K1MG

> Hi Doug,

>

> ... doesn't like the K2 cabinet

> screws. ...we'll be offering a

> limited-edition "KI6DS K2" that includes flat-heads. (When I say

> "limited,"

> I really mean it: only one of these will be sold, and you get to

> counter-sink the holes yourself :)

>

> 73,
> Wayne
>

Date: Fri, 03 Sep 1999 10:11:11 -0600
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [49262] Boatanchors....Pricey!
Message-ID: <37CFF31F.578D@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

At the last local hamfest I saw an old Johnson Viking Xmtr with a price tag of 350 bux! I wonder if I didn't misread it and maybe it was only 35 bux....Ya right! Some of those "oldies" are still "goodies".

I have 3 "boatanchors" and wouldn't ever get rid of them.

Oh, when is QRPTTF anyway? Im only about 25% finished with my DSW-20 and need to make sure I get it done before the contest!

72, Tom WB5QYT...."Have spud will travel!"

Date: Wed, 09 Jun 1999 10:39:26 -0400
From: Carol Palmer <ve3eza@sympatico.ca>
To: low power amateur radio discussion <qrp-1@Lehigh.EDU>
Subject: [49263] (no subject)
Message-ID: <375E7C9D.547A630D@sympatico.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

could anyone on this list please help me to understand the propagation indexes etc ? example A index , K index , etc. and what they all mean,also what are good flux numbers and what are bad ones . I have never really quite understood what it all means. I am a homebrewer at heart and have just recently finished a model 1380 ten-tec qrp kit I am hoping to try out this weekend.,any and all help with these numbers will be greatly appreciated. 73&72 rob ve3uzl

Date: Fri, 3 Sep 1999 11:07:50 -0600
From: Brad Mugleston <bmug@gwl.com>
To: "'qrp-1'" <qrp-1@lehigh.edu>
Subject: [49264] soldering station - review
Message-ID: <01BEF5FC.91E63720.bmug@gwl.com>

I purchased the Edsyn that was/is on sale at TechAmerica (now RadioShack.com).
It is model 951SX also called the Loner.

Specs (remember I got my degree in business)

Power cord 6 feet long - I like this I can put the base where I am instead of moving to it.

Cord from base unit to handle - 3 feet and very flexible. It does not fight my hand in use.

There is about a cup of water in the reservoir under the sponge and a place to put spare parts/tools.

There is a green light that comes on when the unit is heating and flashes when the unit is at temp. It took about 2 to 3 seconds to get to 700 degrees (per the setting on the dial). My teenage son dropped the hot end much faster with this unit when I turned it on than my old unit. No, I don't think he learned anything from the last test. If needed I could rerun the first test with the old iron.

The temperature range is suppose to be from 400 degrees to 800 degrees.

Lots of tips available but TechAmerica has a limited (but useful) selection.
TechAm has the SMT tips for it - expensive!!!

I played with it and soldered some wires onto a BNC plug ground while the plug and ground were mounted to a 1 X 6 inch sheet of aluminum (basically a large heat sink). I had no problems heating things up and soldering. Didn't try it with my old iron but I believe I would have had problems (based on past experiences) keeping the temperature up.

Overall I like it. I would like one of the LARGE tips for soldering coax so when I find one I will probably add it to the collection.

de KI00T, Brad

Date: Fri, 03 Sep 1999 12:28:51 -0500
From: Wes Spence <ac5k@ih2000.net>
To: qrp-1@Lehigh.EDU
Subject: [49265] Switching Regulators
Message-ID: <37D00553.228C@ih2000.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Honorable Gang:

I am moving forward with a project to replace the pass transistor regulator that I use now on my panel for DIRECT (no battery) solar power with a switching type regulator to raise the efficiency. I have tentatively selected the National Semiconductor type LM2596-12 for the chip. I will get this done either way, but would appreciate any information from anyone that has already done this to keep me from reinventing the wheel here. When this is complete I will write it up for the group in one of the QRP magazines. Reply direct to me please.

72, Wes, AC5K

Date: Fri, 3 Sep 1999 13:34:59 EDT
From: SABorns@aol.com
To: qrp-1@lehigh.edu
Subject: [49266] Need base diagram of ZVNL110A MOS FET
Message-ID: <e484449d.250160c3@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Gang,

Does anyone have the base diagram of the ZVNL110A MOS FET?

73, Steve K8IDN

Date: Fri, 03 Sep 1999 13:37:28 -0400
From: Jake Brodsky <frussle@erols.com>
To: aa4xx@ipass.net
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [49267] Re: Super VX0 Question
Message-ID: <IwPQN+YfTPe8xHydUCAHTAB+pRB5@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

On Thu, 02 Sep 1999 21:35:22 -0400, Paul, AA4XX wrote:

>I have recently built the KK7B single signal direct conversion receiver,
>better known as "R2," and it's performance is quite good. =20
>
>For the L0, I decided to use a VX0 to ensure good frequency stability.
>For 40M, I selected two inexpensive microprocessor xtals--one at 11.046
>MHz and the other at 4.000 MHz. Mixing these two fellers with a NE602
>followed by a 40M BPF provided the desired output of 7.036-7.046 as the
>11.046 MHz rock was armtwisted. =20
>
>Desiring more than 10 KHz of swing, I followed the advice of the "Super
>VX0" gurus by simply soldering a second 11.046 Xtal in parallel with the
>original one. Then the VX0 range increased to 34 KHz, providing the
>range of 7012-7046 KHz, again with impressive stability.
>
>My question is, if one xtal is good, and two parallel xtals are super,
>might an additional xtal further extend the VX0 while maintaining
>stability? I don't have a xtal on hand to try this idea, but I'm sure
>some of you guys have tried this. I might also mention that increasing
>the VX0 series inductance (15 uH) and/or capacitance does not increase
>the swing beyond the present 34 KHz...

It seems to me that the act of placing two crystals in parallel makes
for a lower Q. The Q of crystals is quite high, so I imagine that one
can afford to throw away some of it for the sake of being able to pull
the crystal resonance a bit more than before. =20

However, with each crystal you add, I would expect decreased stability
and increased phase noise. That said, I don't know whether three
crystals might still be useful or not. A lot of it depends on what
kind of crystals you started with. Try it and let everyone know...

Here's another approach: if you haven't screwed with the 4.000 MHz
crystal, perhaps you could double it up too. You could insert a
couple of varactors with each oscillator circuit and feed them both
from the same DC voltage source. That should give you lots of pull...

72,

Jake Brodsky, AB3A <mailto:frussle@erols.com>

"Beware of the massive impossible!"

Date: Fri, 3 Sep 1999 10:56:52 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [49268] What Kit to Build, #8 The Next Step
Message-ID: <01bef635\$b4657480\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You have followed the series and you have built all of the kits, the VE3DNL Marker Generator from Jay Bromley and the Ft. Smith Qrp Group, the TiCK Keyer from Embedded Research, the SWL+ from Dave Benson at Small Wonder Labs, the ZM-2 Tuner from Scott Gregson at Emtech, either or both the 135 ft. dipole fed with ladderline or the Gusher 2L from Joe Everhart, The Red Hot Radio NorCal 20 or Red Hot 40 from Dave Fifield, and finally the K2 from Eric Swartz and Wayne Burdick at Elecraft. You are a master builder now right? Wrong, there is the next step in building, and I have a suggestion as to what you should build next.

Also, what is there left for the guys who have built the K2?? You have built the ultimate pcbboard through hole parts kit, now it is time to expand your horizons. Learn a new skill, and build a transceiver that is an outstanding performer. The 2N2/40 designed by Jim Kortge has an unbelievable receiver in it, and the rig is a lot of fun to build. This is the next step for you K2'ers. Keep on melting solder.

The 2N2/40 that was featured in the winter issue of QRPP and designed by Jim Kortge, K8IQY. This rig is built using a piece of 5" x 7" circuit board with pads glued on as anchor points for the components. All of the plans are in the Winter issue of QRPP and the Spring issue of QRPP has a couple of pages of corrections. If you do not subscribe to QRPP, you can buy the single issue from Paul Harden at QuickSilver Printing, P.O. Box 757, Socorro, NM 87801. The cost is \$12 and he will even include the additional corrections that were in the spring issue. The price includes shipping.

This book will take you through building the 2N2/40 using the pads. Everything you need is there. Paul Harden did the illustrations, and they make building the rig a piece of cake. Several have successfully reproduced the rig, and all who build it say that they have learned a new building style that is really neat. The advantage of this type of building is that that you can modify the circuit just by adding pads and components. An experimenters dream. And, there is another plus to this project. The Arizona ScQRPions have a board kit that consists of a screen printed layout

of the pads on a board. All you have to do is cut up the pads from the strips of circuit board provided and glue them to the board, tin them, and then start building. To get the board kit, contact Bob Hightower, KI7MN, at ki7mn@extremezone.com for current pricing and ordering information. The board kit is a good deal and will save you a lot of time.

This concludes the What Kit to Build series and I hope that you have enjoyed it. If you were at Hamcom, this was my presentation there at the QRP Forum. Many of you have sent private email with questions and words of encouragement. I thank each and everyone of you for your interest and kind words, they are appreciated. George Heron has asked for, and I have granted first publication rights to this series. Several have asked to put it on their web pages, and I ask that you not do that until George has published it in his new NJ QRP Club Journal, "The QRP Homebrewer" which will make its debut this fall.

And finally, this series is my opinion, not fact, nor the final word on the subject. I have built most of the kits in this series and have operated those that I have not built. I looked at features of the radios, how well they worked, and bang for the dollar. Every kit that I mentioned has champions, and I don't disagree with their right to their opinion, I just have mine. Grin. Have a good day, and as our friend in New Hampshire says, "Melt Solder". 72, Doug, KI6DS

Date: Fri, 3 Sep 1999 10:50:11 -0700
From: Dave Barrett <DBarrett@creo.com>
To: "'frussle@erols.com'" <frussle@erols.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [49269] RE: Super VX0 Question
Message-ID: <CE0A40BFE0CDD111A2B800A0C99B83EB01313B5A@msgcreo2.creo.bc.ca>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hey Guy's

Sounds like a really interesting topic, lets hear more from the Guru's out there about multiple paralleled xtals....

Dave of much inquisitiveness :-)

VE7PCC Vancouver BC Canada (Recumbenteer)

-----Original Message-----

From: Jake Brodsky [<mailto:frussle@erols.com>]
Sent: Friday, 03 September, 1999 10:37 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Super VX0 Question

On Thu, 02 Sep 1999 21:35:22 -0400, Paul, AA4XX wrote:

>I have recently built the KK7B single signal direct conversion receiver,
>better known as "R2," and it's performance is quite good.

>

>For the L0, I decided to use a VX0 to ensure good frequency stability.
>For 40M, I selected two inexpensive microprocessor xtals--one at 11.046
>MHz and the other at 4.000 MHz. Mixing these two fellers with a NE602
>followed by a 40M BPF provided the desired output of 7.036-7.046 as the
>11.046 MHz rock was armtwisted.

>

>Desiring more than 10 KHz of swing, I followed the advice of the "Super
>VX0" gurus by simply soldering a second 11.046 Xtal in parallel with the
>original one. Then the VX0 range increased to 34 KHz, providing the
>range of 7012-7046 KHz, again with impressive stability.

>

>My question is, if one xtal is good, and two parallel xtals are super,
>might an additional xtal further extend the VX0 while maintaining
>stability? I don't have a xtal on hand to try this idea, but I'm sure
>some of you guys have tried this. I might also mention that increasing
>the VX0 series inductance (15 uH) and/or capacitance does not increase
>the swing beyond the present 34 KHz...

It seems to me that the act of placing two crystals in parallel makes
for a lower Q. The Q of crystals is quite high, so I imagine that one
can afford to throw away some of it for the sake of being able to pull
the crystal resonance a bit more than before.

However, with each crystal you add, I would expect decreased stability
and increased phase noise. That said, I don't know whether three
crystals might still be useful or not. A lot of it depends on what
kind of crystals you started with. Try it and let everyone know...

Here's another approach: if you haven't screwed with the 4.000 MHz
crystal, perhaps you could double it up too. You could insert a
couple of varactors with each oscillator circuit and feed them both
from the same DC voltage source. That should give you lots of pull...

72,

Jake Brodsky, AB3A <mailto:frussle@erols.com>
"Beware of the massive impossible!"

Date: Fri, 3 Sep 1999 18:56:04 +0100
From: "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
To: "QRP-L" <qrp-l@lehigh.edu>, "GQRP-L" <gqrp@onelist.com>
Subject: [49270] A circuit for you!
Message-ID: <002201bef635\$9fd83980\$5fa632d4@prsat0x1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

On my web page I have added a circuit for a touch sensitive keyer, which is so small you can build it inside your rig, duplicate the circuit as a iambic paddle unit

Check out <http://www.karoo.co.uk/g3ycc/tch1.html>

You just gotta build it!

...
Frank G3YCC G QRP 042, G QRP Sales Officer.
QRP web page <http://www.karoo.co.uk/g3ycc/>
ICQ 47220843

Date: Fri, 3 Sep 1999 14:52:25 -0400
From: <msailer@willys.buoy.com>
To: qrp-l@lehigh.edu
Subject: [49271] Re: What Kit to Build, #8 The Next Step
Message-ID: <19990903145225.A20541@buoy.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

What happend to #7 in the series?
I didn't get it yesterday.
So does anyone have #1, #2 & #7 that they could forward to me.
I putting these together for anyone who asks me the same question.
I have also printed out the web pages that Doug refers to.

Great Job Doug!

Mark
N2JTW

Date: Fri, 03 Sep 1999 18:22:05 +0000
From: Brian Short <bshort@speedchoice.com>

To: qrp-1@lehigh.edu
Subject: [49272] Re: What Kit to Build, #8 The Next Step
Message-ID: <4.1.19990903182127.01e82b00@mail.phoenix.speedchoice.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I didn't get #5

>What happend to #7 in the series?
>I didn't get it yesterday.
>So does anyone have #1, #2 & #7 that they could forward to me.
>I putting these together for anyone who asks me the same question.
>I have also printed out the web pages that Doug refers to.

--

Brian K. Short <http://www.qex.net/k7on/> <mailto:k7on@arrl.net>

--

Date: Fri, 3 Sep 1999 11:27:56 -0700
From: Gary L Surrency <gsurrency@juno.com>
To: qrp-1@lehigh.edu
Subject: [49273] K2 screws
Message-ID: <19990903.113628.-4142819.2.gsurrency@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Ah, but the screws protect the finish if you have the cover off and lay it face down on the bench top or table.

One thing about countersunk screws:

The placement and dimensioning of the drilled holes has to be perfect or the panels and screws will not fit or will have strain on them from the misalignment. The current method allows for easier assembly and a small amount of error.

(But I like the countersunk black hex socket screws on the Doug Hauff NC20 case, too, Doug) :-) :-)

72,

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!

Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Fri, 3 Sep 1999 11:46:52 -0700
From: "David Castor" <dave_castor@easypower.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [49274] SWR/Wattmeter Homebrew or Kit?
Message-ID: <000001bef63c\$b0e1a0c0\$0200000a@sony>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I hope this hasn't been asked and answered too many times in the past, but I'd like to know if anyone can recommend a good SWR meter and/or Wattmeter kit?

Thanks,

Dave, AB7ZV

Date: Fri, 3 Sep 1999 14:52:38 -0400 (EDT)
From: Chris Cartwright Sr <ccart@phideaux.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [49275] Re: SWR/Wattmeter Homebrew or Kit?
Message-ID: <Pine.LNX.4.04.9909031451120.8789-1000000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 3 Sep 1999, David Castor wrote:

> recommend a good SWR meter and/or Wattmeter

You're gonna get a flood of OHR WM-2 recommendations :)

-- Chris Cartwright, Technical Engineer | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Fri, 3 Sep 1999 14:54:28 EDT

From: GElam30092@aol.com
To: msailer@willys.buoy.com, qrp-1@lehigh.edu
Subject: [49276] Re: What Kit to Build, #8 The Next Step
Message-ID: <4388bb61.25017364@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I've got all of them in a Word doc..... will forward upon request.

Cheers,
Gerry Elam, K1LR0
PHX AZ

Date: Fri, 3 Sep 1999 11:57:57 -0700
From: "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>
To: qrp-1@lehigh.edu
Subject: [49277] Re: SWR/Wattmeter Homebrew or Kit?
Message-ID: <19990903115757.C30914@dolphin.openprojects.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

On Fri, Sep 03, 1999 at 02:52:38PM -0400, Chris Cartwright Sr wrote:
> You're gonna get a flood of OHR WM-2 recommendations :)

How much is the OHR WM-2 kit? Where can we find it?

```
=====
      KC5TJA/6      |                               -| TEAM DOLPHIN |-
          DM13      |                               Samuel A. Falvo II
      QRP-L #1447   |                               http://www.dolphin.openprojects.net
      Oceanside, CA |.....
```

Date: Fri, 3 Sep 1999 15:41:22 -0400
From: <msailer@willys.buoy.com>
To: qrp-1@lehigh.edu
Subject: [49278] Re: What Kit to Build, #8 The Next Step
Message-ID: <19990903154122.C20541@buoy.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Thanks for the overwhelming response.
I now have numerous copies of the three missing parts.

Thanks to one and all.

Great Group.

72, Enjoy your weekend

Mark
N2JTW

Date: Fri, 3 Sep 1999 15:08:39 -0400 (EDT)
From: Chris Cartwright Sr <ccart@phideaux.com>
To: "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [49279] Re: SWR/Wattmeter Homebrew or Kit?
Message-ID: <Pine.LNX.4.04.9909031507180.8789-100000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 3 Sep 1999, Samuel A. Falvo II wrote:

> How much is the OHR WM-2 kit? Where can we find it?

Ooops! sri about that \$90, now on sale for \$85
<http://www.ohr.com/wattmeter.htm>

-- Chris Cartwright, Technical Engineer | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Fri, 3 Sep 1999 15:14:25 EDT
From: GElam30092@aol.com
To: dave_castor@easypower.com, qrp-l@lehigh.edu
Subject: [49280] Re: SWR/Wattmeter Homebrew or Kit?
Message-ID: <57322de.25017811@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

In a message dated 9/3/1999 11:49:44 AM US Mountain Standard Time,
dave_castor@easypower.com writes:

<< I'd like to know if anyone can recommend a good SWR meter and/or Wattmeter kit? >>

I don't qualify in this group as experienced but I just finished an OHR kit. Take a look at <http://www.ohr.com/wattmeter.htm>

This is only the third item I've built following a DSW-40 and an Emtech tuner so you know if I can do it, so can you.

There are other options too but this one seemed to suit my needs!

Good luck...
Gerry, K1LR0
PHX AZ

Date: Fri, 3 Sep 1999 19:40:51 +0100
From: "Steve Sorrell" <ap036@detroit.freenet.org>
To: <ccart@phideaux.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [49281] Re: SWR/Wattmeter Homebrew or Kit?
Message-ID: <03dc01bef63b\$dc5ae3c0\$b642b3c7@sorrells>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

And for Good Reason, they work and they are cheap!
de Steve, W8SFF

Date: Fri, 3 Sep 1999 19:49:09 +0100
From: "Steve Sorrell" <ap036@detroit.freenet.org>
To: <gsurrency@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [49282] Re: K2 screws
Message-ID: <03e901bef63d\$028a2b40\$b642b3c7@sorrells>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Pullllleeeeeezzzzzzzzzzz, not the screw thing AGAIN!!!! Eric, Wayne, the screws you're using are perfect. Don't change a thing. I whined when c/sunk allen/ flat head screws were used in the NC20. I don't have a problem with flat head screws but 86 the allen head jobs. I got caught this past week on vacation and wanted the cover off my NC20 and didn't have an

allen wrench with me. But, I had LOTS of phillips and flat blade
screwdrivers with me! I still don't know of anyone (but there is probably
someone out there with a torn shirt pocket) that carries allen wrenches in
their pocket protectors! Lets face it, I'm not going to take the thing into
space, only on travels, so it doesn't have to be NASA certified.
de Steve, W8SFF

Date: Fri, 3 Sep 1999 13:13:53 -0700
From: "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>
To: qrp-l@lehigh.edu
Subject: [49283] AX.25 Packet with Linux
Message-ID: <19990903131352.A2679@dolphin.openprojects.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I'm trying to set up an AX.25 packet node at my house on my Linux box. The
exact details thereto is beyond the scope of this mailing list, however,
there is one question which you folks may be able to answer.

Would a 2N3904 NPN be a suitable replacement/compatible component for a
BC237 or BC547 NPN transistor? I need to know so that I can set up the PTT
circuitry via the 9-pin serial port, and the schematic calls for a BC237,
BC547, "or equivalent" transistor.

Thanks in advance.

```
=====
      KC5TJA/6      |      -| TEAM DOLPHIN |-
      DM13          |      Samuel A. Falvo II
      QRP-L #1447   |      http://www.dolphin.openprojects.net
      Oceanside, CA |.....
```

Date: Fri, 3 Sep 1999 11:59:16 -0700
From: Dan Presley <talljazz@teleport.com>
To: qrp-l@LeHigh.edu
Subject: [49284] FS-QRP gear
Message-ID: <v0300781ab3f4d52aa743@[216.26.2.79]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gotta make room for more toys!

SW-40+ "Elmer 101" 40 M transciever assembled and in use with Small Wonder

enclosure. Also included is the RIT kit (unassembled) with the front panel drilled to accept the kit. NOTE: one hole is slightly off center-(the drill drifted when I went to make the hole! I did center punch it, but the bit wasn't as sharp as it should have been :() You may have to enlarge the hole, or adjust the mounting of the knob, but it looks like this could be done. Just wanted to make a 'full disclosure'! \$100.00 includes shipping USPS (new price for all is \$118)

St.Louis Tuner from Norcal-this tuner has swr & power meters; BNC,S0-239 & RCA jacks as well as terminals for long wires and ladder line. Painted 'Norcal Blue' \$75 includes shipping USPS

Both kits include full documentation, and built and used by me!

Dan Presley-N7CQR-Portland, Or QRP-L #502

Date: Fri, 03 Sep 1999 16:41:13 EDT
From: n5ib@juno.com
To: qrp-l@Lehigh.edu
Subject: [49285] DSW-40/30/20 Hints and Kinks Request
Message-ID: <19990903.153119.4767.0.N5IB@juno.com>

OK gang, there's got to be enough DSW's out there now that folks are starting to tinker with 'em. I'd be interested in hearing (direct replies please) about what you've done or are thinking about doing with or to your DSW(s). I'll compile and edit the stuff you send and post a nice summary to the list, with credit where credit's due.

On my list of "would like to see's" are such things as:

- 1) selectable by switch, wider than 500Hz, Rx passband - easier on the ears when monitoring
- 2) small (9V lithium?) internal battery for Rx, with diode to seamlessly switch over for Tx
- 3) tweaking the Tx chain for a few more tenths of a watt output
- 4) extra audio drive for speaker - I like to show off the rig to visitors

What's on your list?

As you might expect - I'm real interested in #3 before foxhunt season. Just to start things off with an informational tidbit - I have a couple of old 4" intercom speakers that are 45 ohm voice coils. I found they sound particularly nice when driven directly by the DSW audio amp. Not real loud, but adequate indeed to demonstrate the rig to a small group.

Much better than the small 8 ohm jobs, and more convenient than the little RS audio speaker/amp.

And, just in case you're wondering, I'm NOT asking Dave Benson about any of these. How come, you say? Well, the man has the unnerving habit of answering my questions so promptly it makes me feel guilty - like he's dropped everything in his busy life just to help me - waaaaay too heavy a guilt trip for a guy my age :^)

Besides, asking Dave is sorta like cheating. So, Dave, mum's the word.....

72

Jim N5IB

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Fri, 3 Sep 1999 16:44:04 EDT
From: N10DL@aol.com
To: qrp-l@lehigh.edu
Subject: [49286] RE: SWR/Wattmeter
Message-ID: <ee0c4cf0.25018d14@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I built this meter at the second kit I tried. the first was the Wilderness SST. The Meter kit is a great kit for someone new at kit building. Mine worked the first time I tried it and is now the main meter I use with my QRP rigs.

Go for it...it's fun.

Aron

N10DL/qrp

Date: Fri, 3 Sep 1999 13:46:45 -0700 (PDT)
From: "Robert P. Okas" <vintage@best.com>
To: "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [49287] Re: AX.25 Packet with Linux
Message-ID: <Pine.BSF.4.10.9909031344080.8446-100000@shell114.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Samuel,

Short answer: Yes

Long Answer:

The NTE cross reference lists a suitable replacement for the BC237 as the NTE123AP. It also lists the same part as a replacement for the 2n3904.

On Fri, 3 Sep 1999, Samuel A. Falvo II wrote:

>
> Would a 2N3904 NPN be a suitable replacement/compatible component for a
> BC237 or BC547 NPN transistor? I need to know so that I can set up the PTT
> circuitry via the 9-pin serial port, and the schematic calls for a BC237,
> BC547, "or equivalent" transistor.
>

73,
Bob - W3CD

Date: Fri, 03 Sep 1999 14:49:24 -0600
From: Pat Byers <pbyers@rttinc.com>
To: <qrp-canada@lists.gpfn.sk.ca>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [49288] Fwd: Tektronix 465B part
Message-ID: <4.2.0.58.19990903144608.009cc530@mail.rttinc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Just a minor correction on my previous message. Tektronix parts can be obtained from

Deane E. Kidd, W7TYR
27270 SW Ladd Hill Rd
Sherwood OR 97140
tel 503-625-7363

NOT Dean K. Kidd, as I stated previously.

Again, I highly recommend Deane for those of us who need Tektronix parts and service on older instruments.

72,

Pat Byers, VE6AAN
Lacombe, AB

Date: Fri, 03 Sep 1999 17:04:52 -0400
From: Laura Halliday <lha@sdr.utias.utoronto.ca>
To: qrp-l@lehigh.edu
Subject: [49289] Re: Want to swap Solid State Design for ?
Message-ID: <3.0.6.32.19990903170452.007c4350@madrox>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Jeff AB6MB asked:

> I really dont use Solid State Design as it is a
> little outdated. So Id like to swap it for
> something I dont have. Make an offer!

Heresy!

While SSD **is** a little dated (particularly certain components,
and the 1970s dual-gate MOSFET fetish), it remains full of
excellent background and ideas.

Keep it. Buy more books. Play with radios.

Completely separate topic: thanks to a used Pentium motherboard
that was cheap enough for even my impoverished student budget I
plugged a radio into my computer last night and monitored some
PSK31. Good stuff. Now I need to lash up something to transmit
with. The Pentium does other interesting things - see
<http://www.qsl.net/va3ldh/wxsat.html>

Laura Halliday VA3LDH "Que les nuages soient notre pied
Grid: FN03gs a terre..." - Hospital/Shafte

Date: Fri, 3 Sep 1999 17:08:53 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: QRP-L Reflector <qrp-l@lehigh.edu>, Elecraft Reflector <elecraft@qth.net>
Subject: [49290] K2 With Notebook Power Supply
Message-ID: <Pine.3.89.9909031608.C13233-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I found a winner, initial tests very encouraging!

I managed to find a junkbox notebook switcher. It's tiny - measures in at only 4" X 2 1/2" X 1" and must weight well under 8 ounces (I may take it to the post office for an accurate figure. :-) It's rated at 16VDC output and 2.2A.

I hung (3) 3A diodes on the output to bring the voltage down to about 14.5V and wrapped them in heat shrink tubing. The diodes were from my junk box and I couldn't even identify the numbers on them, but they LOOK like about three amps. :-)

In receive, the voltage at the K2 power jack is 14.63 and has 4.5mv of ripple. With key down and five watts out, the voltage drops to 14.32 and the ripple also drops to 2.3mv. I left the output cord at its full length since it has a toroid molded near the end of the cord. I've made several contacts on both 15 and 20 Meters with reports of a clean signal and no birdies heard on receive. The diodes get fairly warm, but not too hot to hold on to. The P.S. itself barely gets warm.

If a source could be found for cheap notebook power supplies, I believe they would be an ideal add on for the K2. The BG Micro Dell switcher also works great, but is extremely bulky...

73,

Bob Patten, N4BP

(0 0)

Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org

Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>

Brass Pounder BBS: (954) 472-7715

Date: Fri, 3 Sep 1999 16:36:33 -0500

From: "Nick Kennedy" <nkennedy@cswnet.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, "Jim Durkin" <jimdurkin@yahoo.com>

Subject: [49291] Re: Code Speed Question..

Message-ID: <001001bef654\$65906440\$7b7154d8@big>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

>Nick,
>What is RUFZ?
>73
>Jim kt4a
>

It's part code speed enhancing program and part game. The thing starts sending callsigns (mostly weird DX calls) and adjusts its speed depending on whether you type 'em in right or not. It eventually cranks up the speed to the unbearable point and you're ready to jump out the window to escape it. Like a video game that keeps sending attackers faster and faster.

The fun thing is that it calculates a score for each timed test and keeps a record of them. And the author even maintains a web site where you can record your score. If you look, you'll see our own (ex) K5F0 at the top of the heap in the graybeard division and near the top overall.

You can start with this CW page <http://www.dutch.nl/wilbwbk/index1.htm>

to find where to download the software and how to find the site.

72 and dit-dit, real fast,

Nick, WA5BDU

Date: Fri, 3 Sep 1999 15:11:41 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [49292] K2 Screws & Wayne's offer
Message-ID: <01bef659\$4d181a20\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You know what, I am seriously tempted to do just what Wayne has offered (yes I realize that it was a tongue in cheek offer). Gary is also right when he says that you have to have the countersink perfectly centered over the hole or it screws things up (pun intended). The secret to having countersunk holes is to do it in the manufacturing process at the same time that you

drill the holes. The sheet metal shops have a special tool that does it, and that is how the counter sunk holes on the Doug Hauff cases are perfect. If you are going to have countersunk holes, it is far, far easier to do when the case is being made. The comment about the screws was sincere, I don't like the looks of them, but it is my opinion. It also certainly would not keep me from buying a K2.

That said, I once saw a single band Sierra that Ed Burke built into a homebrew case that had countersunk screws, and he did it the hard way. It was perfect by the way. Ed also used the exact same method that Wayne and Eric used on the K2 case to hold the panels, the little blocks. Think it was in 1996 or so that I saw it at Pacificon. Maybe that is where Wayne got the idea to use the blocks in the K2. So it can be done. By the way, Wayne Burdick was the one who first showed me how neat counter sunk screws look, he used them on the Safari rig that was in QEX many years ago, and also on the NorCal 40 and the Sierra. So Wayne, you are the one responsible for my affinity for counter sunk screws.

72, and have a great Labor Day weekend and I'll hope to see you at the NorCal meeting, Doug (now that was a salutation that would drive an English teacher or Bruce M. crazy.)

Date: Fri, 03 Sep 1999 17:17:30 -0500
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: jbartac@max.state.ia.us, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [49293] Re: QRN & Band Cond
Message-ID: <002501bef65a\$1e00a1c0\$9d37a497@aa5tb>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

The 30m QRN could be about anything. Sometimes televisions can be a problem. For your 20m noise description, it sounds like it could be a touch lamp. Be sure to unplug any touch lamps you can find. Turning them off isn't good enough. Computer monitor and/or television horizontal sync circuits are a possibility also although TV emissions are usually more narrowband and occur at about 15 kHz intervals. Good luck.

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://home.swbell.net/aa5tb>

Date: Fri, 03 Sep 1999 15:54:08 MST
From: "Chuck Adams, K7Q0" <k7qo@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [49294] New Timeline for K7Q0
Message-ID: <19990903225408.70302.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Gang,

Sorry for the bandwidth here, but my timeline took a serious jump and things are getting critical here on this end. So, I'm hoping I make today's digest.

1. The date of the move jumped to the 13th, so I have to have everything that I was working on done by then or it goes on hold for 4 days or so while I drive 1,200+ miles across the US avoiding construction.
2. So, if you and I were working on something, even though I sent you email, please send email again and check the state of the work in progress so that I don't mess this up.

Some of you sent me snail mail but did not put your call or what the MO was for, so if you have not heard from me, let me know again so that I can check. I think I have only one question left to answer.

The picture of the K5F0 estate on the web page? Everything in there except for just a few select items have been shipped out the door. So there had better be some more little signals on the bands these days. I'd hate to think of all that work disappearing... :-)

So starting Monday I am putting everything that isn't nailed down in boxes and if something goes in a box it doesn't see daylight until the AZ sun (same one as yours by the way) comes up... :-)

I do hope to have the 10 meter rig to keep me company on the way. Heck, just might do some SSB if the truck doesn't have the soft ride to do CW. ;-)

FYI es do write to me direct and offline. Use the k7qo@hotmail.com address....

Get Your Private, Free Email at <http://www.hotmail.com>

End of QRP-L Digest 1568

